SERVICE MANUAL

FISHER

INTEGRATED STEREO AMPLIFIER WITH WIRELESS REMOTE CONTROL REM-P7

CA-P7

(EUROPE)

132 331 40

SPECIFICATIONS

Remote Control (REM-P7) ..... 65-button, 79-function, wireless remote control

POWER AMPLIFIER SECTION

Minimum RMS sine wave power per channel within stated bandwidth at no more than stated distortion and with 6-ohm load ..... 60 W
Power Bandwidth ..... 20 Hz – 20 kHz
Total Harmonic Distortion ..... 0.02 %
I.M. Distortion ..... 0.1 %
Speaker Damping ..... > 30

PREAMPLIFIER SECTION

Frequency Response
- Phono ..... ±1 dB

Input Sensitivity and Impedance
- Phono ..... 2.5 mV/50 kΩ
- Tape/DAT/CD ..... 200 mV/50 kΩ
- Tuner/Line IN ..... 200 mV/50 kΩ
- VCR1,2/VDP ..... 120 mV/50 kΩ

Phono Max. Input Capability ..... 130 mV

Tone Controls
- Bass (100 Hz) ..... ±10 dB
- Treble (10 kHz) ..... ±10 dB

Loudness Contour (100 Hz/10 kHz) ..... +5 dB/+4 dB

Hum and Noise (IHF Short Circuit, A Network)
- Phono ..... 74 dB
- Tape Monitor ..... 89 dB
- DAT ..... 87 dB
- CD ..... 89 dB
- CD Direct ..... 99 dB
- Tuner/VCR1,2 ..... 88 dB
- VDP ..... 87 dB

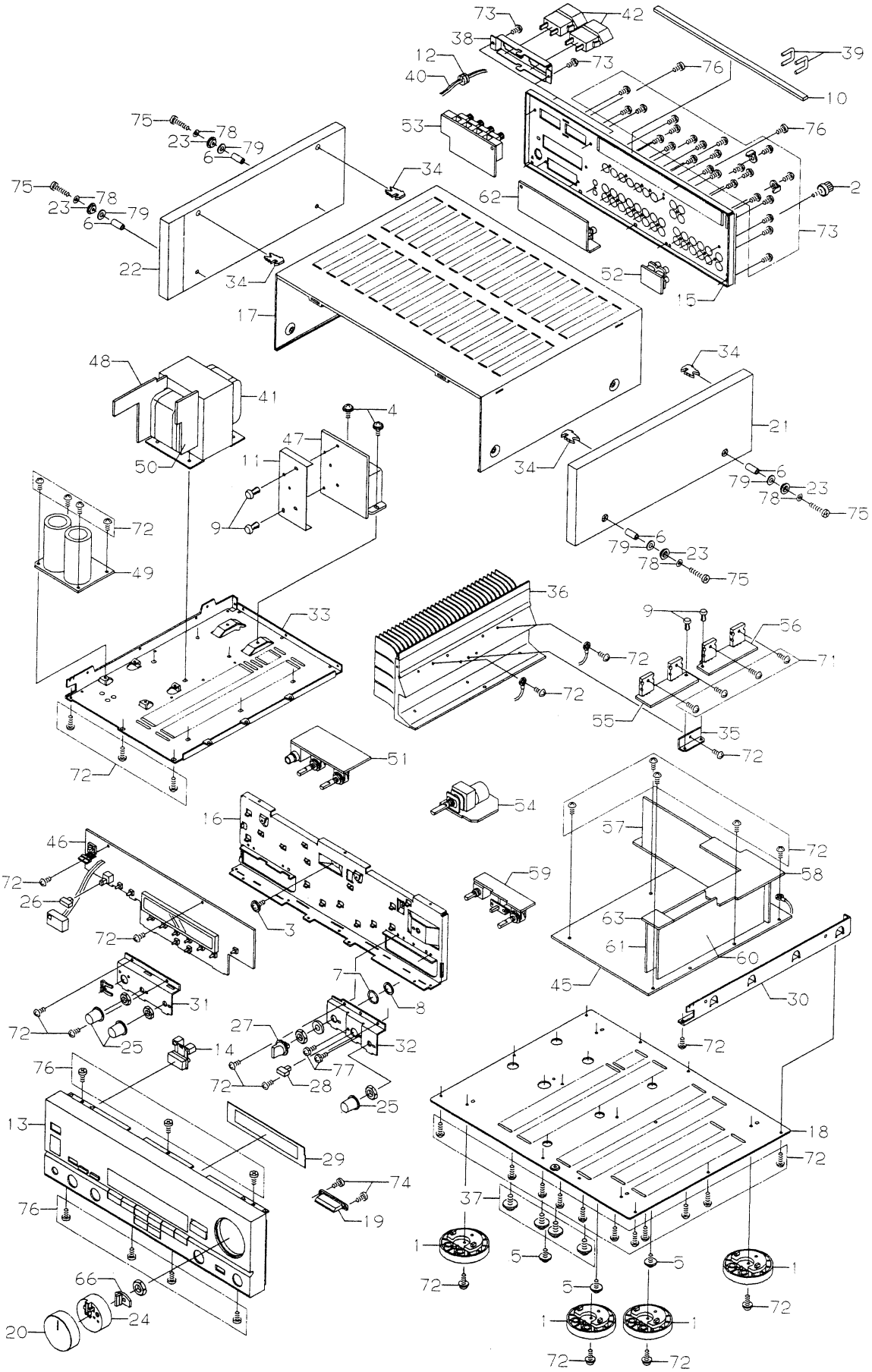
GENERAL

Power Requirements ..... AC 220V (50 Hz) 310 W
AC Outlets 2
Dimensions (WxHxD) ..... 390 x 123 x 300 mm
Weight (approx.) ..... 8.0 kg

– Specifications and design are subject to change without notice. –

REFERENCE No. WM-570271

CABINET & CHASSIS EXPLODED VIEW



CABINET & CHASSIS PARTS LIST

Ref. No.	Part No.	Description	Q'ty
PACKAGE			
	620 200 2835	Inner Carton	1
	620 201 0670	Pad,Plain	1
	620 183 1566	Pad (Right)	1
	620 183 1573	Pad (Left)	1
	620 059 7340	Patching Sheet	1
	620 062 0543	Serial No. Sheet	1
or	620 152 7452	Serial No. Sheet	1
	620 148 8012	Sheet Polyethylene	1
ACCESSORIES			
	620 199 9785	Remocon,P7 (Remote Control)	1
	620 199 9846	Instruction Manual	1
	620 057 8783	Bag Fan	1
	620 062 0543	Serial No. Sheet	1
	620 152 2624	Certificate Card	1
CABINET			
	620 022 3492	Terminal Lug	2
	620 062 0505	Manufacturing No.	1
	620 062 1564	Tape Acetate	
	620 125 8424	Wire Band	19
C10	403 072 2703	CERAMIC 0.022U Z 50V	1
C11	403 001 2309	CERAMIC 0.01U N 16V	1
1	620 190 5649	Leg Assy	4
2	620 051 2152	Screw Ground	1
3	620 051 3708	Screw Braz. HD. +M3X8	1
4	620 051 4262	Screw 3X6	2
5	620 051 4286	Screw 3X10	3
6	620 183 0965	Spacer	4
7	620 185 9430	Spacer	1
8	620 185 9447	Spacer	1
9	620 052 1659	Rivet	4
10	620 052 4155	Cushion	1
11	620 200 4341	Insulator	1
12	620 053 2136	Bushing (Power Cord)	1
13	620 200 4358	Assy,Cabinet	1
	620 200 4372	Assy,Frame	1
	620 200 4464	Panel,Control	1
	620 183 3522	Hinge Knob F Assy	1
	620 094 8715	Cover Decoration (Right)	1
	620 094 8722	Cover Decoration (Left)	1
	620 183 6929	Shelter-Volume	1
	620 183 6936	Shelter-Loudness	1
	620 185 9492	Knob Guide	1
	620 101 3955	Clear Indicator	1
	620 183 8206	Clear Indicator	1
14	620 200 4365	Assy,Knob,Hinge Power	1
15	620 200 1692	Panel,Rear	1
16	620 183 6677	Panel Front	1
17	620 094 8746	Cover Top	1
18	620 183 7049	Plate Bottom	1
19	620 185 2240	Indicator CD Direct	1
20	620 075 2725	Knob Volume Assy	1
21	620 190 6233	Side Wood Right	1
22	620 190 6240	Side Wood Left	1
23	620 183 8626	Wood Cap	4
24	620 108 6287	Knob	1
25	620 183 8824	Knob-Balance	3
26	620 183 8831	Knob Push-Sorround	1
27	620 183 8848	Knob-Function	1
28	620 183 8862	Knob Push-Loudness	1
29	620 184 0056	Filter	1
30	620 184 0384	Metal Mount	1
31	620 184 0407	Bracket-Headphone Jack	1
32	620 184 0414	Bracket-Balance	1
33	620 184 0421	Bracket-Trans	1
34	620 184 0445	Bracket-Cover	4
35	620 184 0452	Bracket-PCB	1
36	620 184 0834	Heat Sink	1
37	620 123 0833	SCR Bind TAP-B +M4X10	4
38	620 200 1722	Bracket-E,Power-TML	1
39	620 182 8887	Short Plug (Line IN/OUT)	2
40	⚠ 620 023 7550	Power Cord	1
41	⚠ 620 199 2939	Power Trans	1
42	⚠ 620 017 1212	AC Socket	2
45	620 199 7477	Main P.C.B. Assy	1
46	620 199 8283	Front Control P.C.B. Assy	1
47	620 199 8306	Back up Trans P.C.B. Assy	1
48	620 199 8313	Power Trans P.C.B. Assy	1
49	620 199 8344	Power Supply P.C.B. Assy	1
50	620 199 8351	Fuse P.C.B. Assy	1
51	620 200 7410	Tone P.C.B. Assy	1
52	620 201 4258	Line IN/OUT P.C.B. Assy	1
53	620 183 4574	Speaker Terminal P.C.B. Assy	1
54	620 183 4604	Volume P.C.B. Assy	1
55	620 183 4628	Power Transistor Left P.C.B. Assy	1
56	620 183 4635	Power Transistor Right P.C.B. Assy	1
57	620 183 4666	Input Buffer P.C.B. Assy	1
58	620 183 4673	Bridge Plug P.C.B. Assy	1
59	620 183 4680	Balance Volume P.C.B. Assy	1
60	620 183 4697	Analogue Switch P.C.B. Assy	1
61	620 183 4703	Surround P.C.B. Assy	1
62	620 191 2807	Video Switch P.C.B. Assy	1
63	620 184 7796	Bridge P.C.B. Assy	1
64	620 184 7802	Volume IND. P.C.B. Assy	1
71	411 020 5904	SCR S-TPG BRZ 3X10	4
72	411 020 7700	SCR S-TPG BRZ 3X6	37
73	411 099 9803	SCR S-TPG BRZ 3X8	26
74	411 021 3107	SCR S-TPG BIN 2.6X8	2
75	411 098 4304	SCR S-TPG BIN 3X25	4
76	411 021 5903	SCR S-TPG BIN 3X6	9
77	411 003 8908	SCR PAN+SW 3X6	2
78	411 110 1403	WASHER Z 3.4X8X0.5	4
79	411 008 9702	WASHER Z 4.2X10X0.8	4

NOTES:

1. Parts order must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

POWER AMPLIFIER ADJUSTMENT

BEFORE ADJUSTMENT

Unplug the AC power cord and set the front panel controls as follows:

- Power switch to OFF position.
- Set the SPEAKERS switch to the OFF position.
- Turn the MASTER VOLUME Control to minimum.
- IDLING CURRENT ADJUSTMENT P501/P502 (on the Power Transistor P.C.Board) setting to mechanical center position.
- Connect the AC power cord and Power switch to the ON position.

IDLING CURRENT ADJUSTMENT

This adjustment is very sensitive to changes in ambient temperature. Allow set to operate for 2 minutes before attempting this alignment.

LEFT AMPLIFIER

1. Connect the Ammeter between TP-1 and TP-2 on the Power Transistor Left P.C.Board.
2. Adjust the P501 for an indication of 18mA on the Ammeter as shown in Fig.1 below.

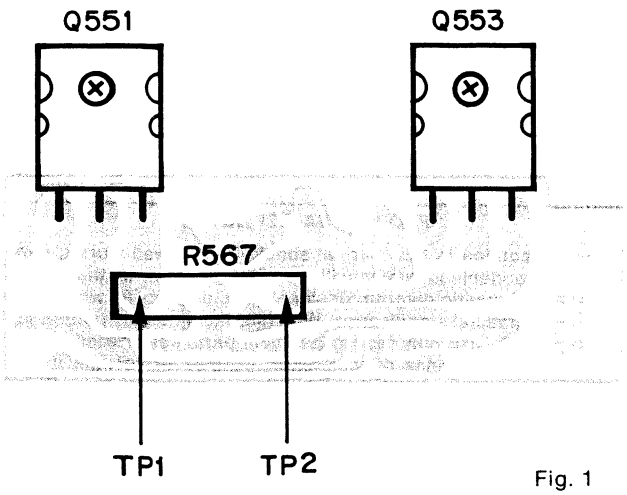


Fig. 1

RIGHT AMPLIFIER

1. Connect the Ammeter between TP-3 and TP-4 on the Power Transistor Right P.C.Board.
2. Adjust the P502 for an indication of 18mA on the Ammeter as shown in Fig.2 below.

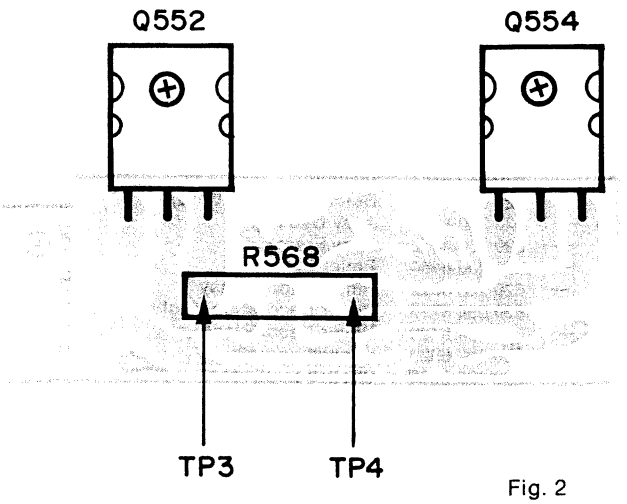
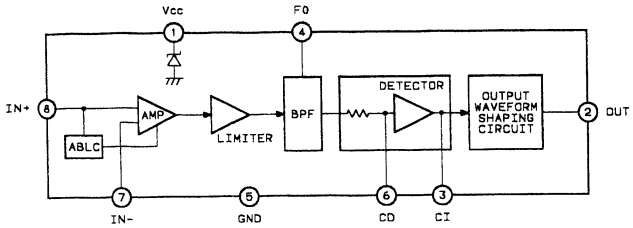


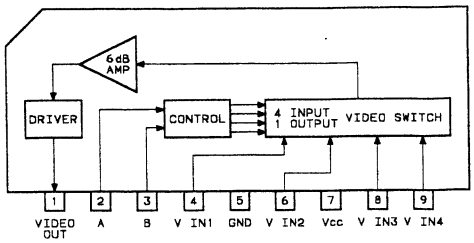
Fig. 2

IC BLOCK DIAGRAM

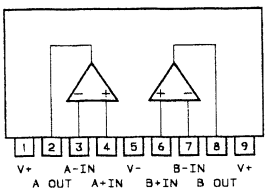
UPC1490HA BLOCK DIAGRAM



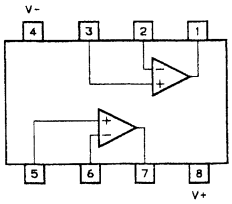
LA7952 BLOCK DIAGRAM



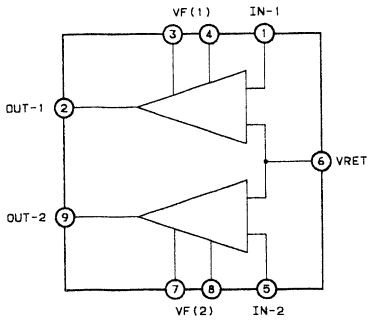
LA6462S BLOCK DIAGRAM



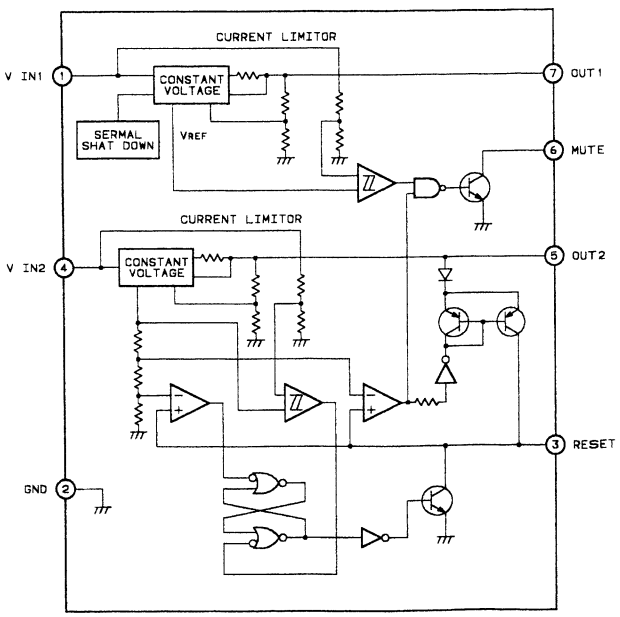
LA6462D BLOCK DIAGRAM



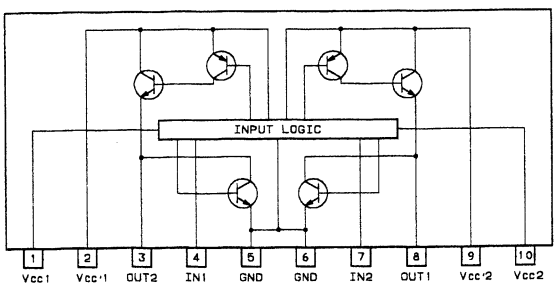
LA2500 BLOCK DIAGRAM



LA5667 BLOCK DIAGRAM

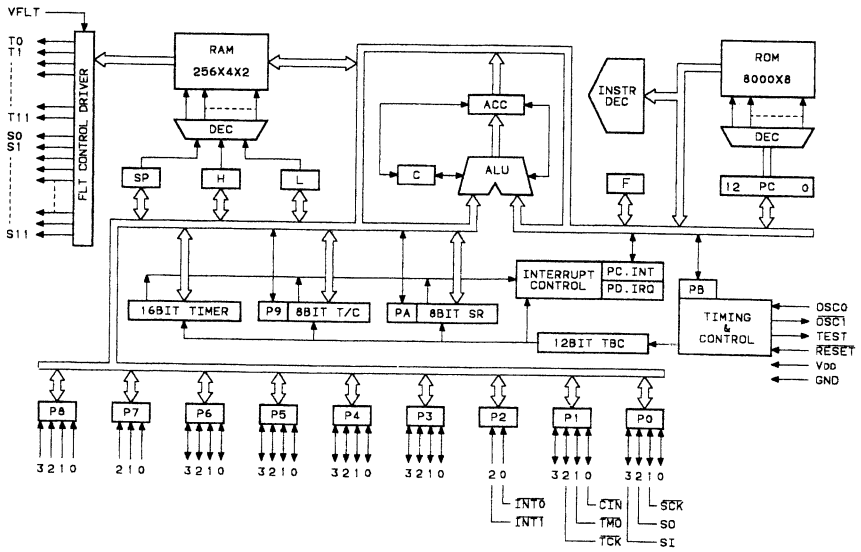


LB1642 BLOCK DIAGRAM

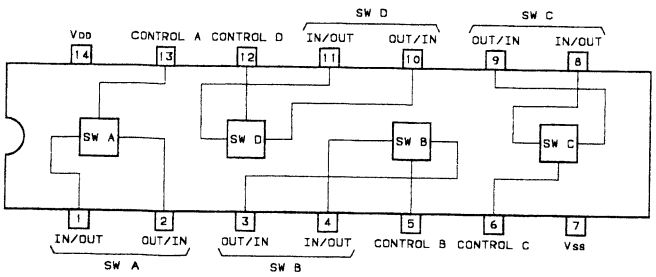


IC BLOCK DIAGRAM (Continued)

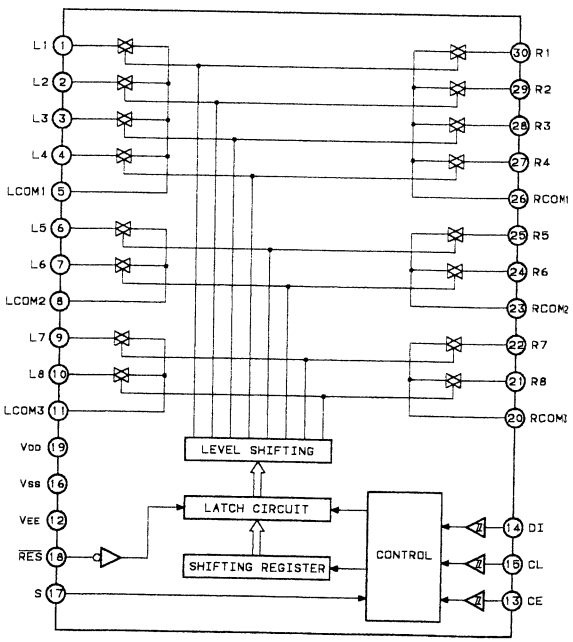
MSC6458-30 BLOCK DIAGRAM



LC4966 BLOCK DIAGRAM



LC7821 BLOCK DIAGRAM



P.C.BOARD PARTS LIST

Ref. No.	Part No.	Description	Q'ty
MAIN P.C.B. ASSY			
45	620 199 7477	Main P.C.B. Assy	1
	620 017 2721	Fuse Clip	4
	620 022 3492	Terminal Lug	1
	411 020 8004	SCR S-TPG BRZ 3X8	4
	620 031 4763	Wire Wrap Terminal	13
	620 053 9241	Plate Heat Sink	4
CA201	620 185 0338	Connector 3P Assy	1
CA216	620 185 2684	Connector 1P Assy	1
CN207	620 021 5954	Plug 6P	1
CN208	620 021 5923	Plug 3P	1
CN211	620 021 6234	Plug 7P	1
F501 ⚠	423 003 7201	FUSE 250V T0.5A	1
F502 ⚠	423 003 7201	FUSE 250V T0.5A	1
JK501	620 182 8702	Pin Jack 2P W/Shield	1
JK502	620 182 8719	Pin Jack 4P W/Shield	1
JK503	620 182 8740	Pin Jack 6P W/Shield	1
JK504	620 182 8719	Pin Jack 4P W/Shield	1
JK505	620 182 8733	Pin Jack 6P W/Shield	1
JK506	620 182 8733	Pin Jack 6P W/Shield	1
JK507	620 018 1839	Jack 5P	1
JW502	620 185 0383	Wire 3 Parallel	1
JW507	620 184 9486	Wire 5 Parallel	1
JW508	620 184 9486	Wire 5 Parallel	1
JW509	620 184 9479	Wire 4 Parallel	1
JW510	620 184 9479	Wire 4 Parallel	1
L501	620 026 5447	RF Filter	1
L502	620 026 5447	RF Filter	1
P501	620 006 3142	Potentiometer 470B	1
P502	620 006 3142	Potentiometer 470B	1
IC211	409 079 9509	IC LA2500	1
IC212	409 079 9509	IC LA2500	1
IC213	409 018 5203	IC LA6462D	1
D501	407 008 0405	DIODE GMB01-BT	1
D502	407 008 0405	DIODE GMB01-BT	1
D503	407 008 0405	DIODE GMB01-BT	1
D504	407 008 0405	DIODE GMB01-BT	1
D505	407 008 0405	DIODE GMB01-BT	1
D506	407 008 0405	DIODE GMB01-BT	1
D507	407 008 0405	DIODE GMB01-BT	1
D508	407 008 0405	DIODE GMB01-BT	1
D509	407 049 7708	ZENER DIODE GZA18X-BT	1
D510	407 004 9105	DIODE DSF10C-BT	1
D511	407 008 0405	DIODE GMB01-BT	1
D512	407 008 0405	DIODE GMB01-BT	1
D513	407 008 0405	DIODE GMB01-BT	1
D514	407 008 0405	DIODE GMB01-BT	1
D515	407 049 7906	ZENER DIODE GZA18Z	1
D516	407 049 7906	ZENER DIODE GZA18Z	1
D517	407 008 0405	DIODE GMB01-BT	1
D518	407 008 0405	DIODE GMB01-BT	1
D519	407 008 0405	DIODE GMB01-BT	1
D520	407 008 0405	DIODE GMB01-BT	1
D521	407 049 7906	ZENER DIODE GZA18Z	1
D522	407 049 7906	ZENER DIODE GZA18Z	1
D523	407 004 9105	DIODE DSF10C-BT	1
D524	407 004 9105	DIODE DSF10C-BT	1
D525	407 004 9105	DIODE DSF10C-BT	1
D526	407 004 9105	DIODE DSF10C-BT	1
D527	407 005 3805	DIODE DS442-BT	1
D528	407 005 3805	DIODE DS442-BT	1
D529	407 005 3805	DIODE DS442-BT	1
D530	407 005 3805	DIODE DS442-BT	1
D531	407 005 3805	DIODE DS442-BT	1
D532	407 005 3805	DIODE DS442-BT	1
D533	407 005 3805	DIODE DS442-BT	1
D534	407 005 3805	DIODE DS442-BT	1
Q501	405 039 5802	TR 2SC3792	1
Q502	405 039 5802	TR 2SC3792	1
Q503	405 016 9205	TR 2SC3067-G	1
Q504	405 016 9205	TR 2SC3067-G	1
Q505	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q506	405 019 2708	TR 2SC536-F-NP-AA	1
Q507	405 002 8908	TR 2SA1208-S	1
Q508	405 002 8908	TR 2SA1208-S	1
Q509	405 002 8908	TR 2SA1208-S	1
Q510	405 002 8908	TR 2SA1208-S	1
Q511	405 016 3708	TR 2SC2910-S	1

Ref. No.	Part No.	Description	Q'ty
Q512	405 016 3708	TR 2SC2910-S	1
Q513	405 016 3708	TR 2SC2910-S	1
Q514	405 016 3708	TR 2SC2910-S	1
Q515	405 002 8908	TR 2SA1208-S	1
Q516	405 002 8908	TR 2SA1208-S	1
Q517	405 042 9507	TR 2SC3902-S	1
Q518	405 042 9507	TR 2SC3902-S	1
Q519	405 042 4106	TR 2SA1507-S	1
Q520	405 042 4106	TR 2SA1507-S	1
Q521	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q522	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q523	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q524	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q525	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q526	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q527	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q528	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q529	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q530	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q531	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q532	405 035 7107	TR 2SD1913-R	1
Q533	405 052 8002	TR 2SB1274-R	1
Q534	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q535	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q536	405 023 8505	TR 2SD438-F-MP	1
Q537	405 007 5308	TR 2SB560-F-MP	1
C401	403 049 1708	ELECT 1U M 50V	1
C402	403 049 1708	ELECT 1U M 50V	1
C403	403 044 8207	ELECT 10U M 25V	1
C404	403 044 8207	ELECT 10U M 25V	1
C405	403 023 1700	CERAMIC 33P K 50V	1
C406	403 023 1700	CERAMIC 33P K 50V	1
C407	403 044 8207	ELECT 10U M 25V	1
C408	403 044 8207	ELECT 10U M 25V	1
C409	403 001 6208	CERAMIC 2700P M 16V	1
C410	403 001 6208	CERAMIC 2700P M 16V	1
C411	403 051 2106	ELECT 4.7U M 50V	1
C412	403 051 2106	ELECT 4.7U M 50V	1
C415	403 042 3501	ELECT 100U M 16V	1
C416	403 042 3501	ELECT 100U M 16V	1
C417	403 008 5204	CERAMIC 10P D 50V	1
C418	403 008 5204	CERAMIC 10P D 50V	1
C419	403 008 5204	CERAMIC 10P D 50V	1
C420	403 008 5204	CERAMIC 10P D 50V	1
C421	403 062 0900	POLYESTER 0.047U K 50V	1
C422	403 062 0900	POLYESTER 0.047U K 50V	1
C423	403 069 0705	CERAMIC 1000P K 50V	1
C424	403 069 0705	CERAMIC 1000P K 50V	1
C425	403 006 4209	CERAMIC 1P C 50V	1
C426	403 006 4209	CERAMIC 1P C 50V	1
C427	403 067 7805	MT-COMPO 0.47U J 50V	1
C428	403 067 7805	MT-COMPO 0.47U J 50V	1
C429	403 067 7805	MT-COMPO 0.47U J 50V	1
C430	403 067 7805	MT-COMPO 0.47U J 50V	1
C431	403 063 0503	POLYESTER 6800P K 50V	1
C432	403 063 0503	POLYESTER 6800P K 50V	1
C433	403 026 5408	CERAMIC 47P K 50V	1
C434	403 026 5408	CERAMIC 47P K 50V	1
C435	403 026 5408	CERAMIC 47P K 50V	1
C436	403 026 5408	CERAMIC 47P K 50V	1
C437	403 056 8608	POLYESTER 1000P K 50V	1
C438	403 056 8608	POLYESTER 1000P K 50V	1
C439	403 056 8608	POLYESTER 1000P K 50V	1
C440	403 056 8608	POLYESTER 1000P K 50V	1
C441	403 059 6601	POLYESTER 0.022U K 50V	1
C442	403 059 6601	POLYESTER 0.022U K 50V	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description				Q'ty
C443	403 059 6601	POLYESTER	0.022U	K	50V	1
C444	403 059 6601	POLYESTER	0.022U	K	50V	1
C445	403 062 0900	POLYESTER	0.047U	K	50V	1
C446	403 062 0900	POLYESTER	0.047U	K	50V	1
C447	403 067 5603	MT-COMPO	0.1U	J	50V	1
C448	403 067 5603	MT-COMPO	0.1U	J	50V	1
C449	403 051 8603	ELECT	10U	M	63V	1
C450	403 051 8603	ELECT	10U	M	63V	1
C451	403 051 8603	ELECT	10U	M	63V	1
C452	403 051 8603	ELECT	10U	M	63V	1
C453	403 047 4305	ELECT	47U	M	25V	1
C454	403 047 4305	ELECT	47U	M	25V	1
C455	403 052 1009	ELECT	22U	M	63V	1
C456	403 052 1009	ELECT	22U	M	63V	1
C457	403 052 1009	ELECT	22U	M	63V	1
C458	403 052 1009	ELECT	22U	M	63V	1
C459	403 044 8207	ELECT	10U	M	25V	1
C460	403 085 7603	NP-ELECT	10U	M	25V	1
C461	403 039 7901	ELECT	100U	M	10V	1
C462	403 044 8207	ELECT	10U	M	25V	1
C463	403 044 8207	ELECT	10U	M	25V	1
C464	403 047 4305	ELECT	47U	M	25V	1
C465	403 047 4305	ELECT	47U	M	25V	1
C466	403 044 8207	ELECT	10U	M	25V	1
C467	403 044 8207	ELECT	10U	M	25V	1
C468	403 044 8207	ELECT	10U	M	25V	1
C469	403 044 8207	ELECT	10U	M	25V	1
C470	403 047 4305	ELECT	47U	M	25V	1
C471	403 047 4305	ELECT	47U	M	25V	1
C472	404 012 7000	CERAMIC	0.01U	P	500V	1
C473	404 012 7000	CERAMIC	0.01U	P	500V	1
C474	404 012 7000	CERAMIC	0.01U	P	500V	1
C475	404 012 7000	CERAMIC	0.01U	P	500V	1
C476	403 052 9609	ELECT	1000U	M	35V	1
C477	403 052 9609	ELECT	1000U	M	35V	1
C479	403 009 2103	CERAMIC	10P	J	50V	1
C480	403 009 2103	CERAMIC	10P	J	50V	1
C481	403 003 3601	CERAMIC	0.022U	N	25V	1
C483	403 071 6207	CERAMIC	220P	K	50V	1
C484	403 071 6207	CERAMIC	220P	K	50V	1
C485	403 071 6207	CERAMIC	220P	K	50V	1
C486	403 071 6207	CERAMIC	220P	K	50V	1
C487	403 071 6207	CERAMIC	220P	K	50V	1
C488	403 071 6207	CERAMIC	220P	K	50V	1
C489	403 071 6207	CERAMIC	220P	K	50V	1
C490	403 071 6207	CERAMIC	220P	K	50V	1
C491	403 071 6207	CERAMIC	220P	K	50V	1
C492	403 071 6207	CERAMIC	220P	K	50V	1
C493	403 071 6207	CERAMIC	220P	K	50V	1
C494	403 071 6207	CERAMIC	220P	K	50V	1
C495	403 071 6207	CERAMIC	220P	K	50V	1
C496	403 071 6207	CERAMIC	220P	K	50V	1
C497	403 071 6207	CERAMIC	220P	K	50V	1
C498	403 071 6207	CERAMIC	220P	K	50V	1
C499	403 072 8200	CERAMIC	330P	K	50V	1
C500	403 072 8200	CERAMIC	330P	K	50V	1
C501	403 073 7004	CERAMIC	470P	K	50V	1
C502	403 073 7004	CERAMIC	470P	K	50V	1
C503	403 072 8200	CERAMIC	330P	K	50V	1
C504	403 072 8200	CERAMIC	330P	K	50V	1
C505	403 073 7004	CERAMIC	470P	K	50V	1
C506	403 073 7004	CERAMIC	470P	K	50V	1
C507	403 072 8200	CERAMIC	330P	K	50V	1
C508	403 072 8200	CERAMIC	330P	K	50V	1
C509	403 073 7004	CERAMIC	470P	K	50V	1
C510	403 073 7004	CERAMIC	470P	K	50V	1
C511	403 072 8200	CERAMIC	330P	K	50V	1
C512	403 072 8200	CERAMIC	330P	K	50V	1
C513	403 073 7004	CERAMIC	470P	K	50V	1
C514	403 073 7004	CERAMIC	470P	K	50V	1
C515	403 072 8200	CERAMIC	330P	K	50V	1
C516	403 072 8200	CERAMIC	330P	K	50V	1
C517	403 073 7004	CERAMIC	470P	K	50V	1
C518	403 073 7004	CERAMIC	470P	K	50V	1
C519	403 072 8200	CERAMIC	330P	K	50V	1
C520	403 072 8200	CERAMIC	330P	K	50V	1
C521	403 073 7004	CERAMIC	470P	K	50V	1
C522	403 073 7004	CERAMIC	470P	K	50V	1
C523	403 071 6207	CERAMIC	220P	K	50V	1

Ref. No.	Part No.	Description				Q'ty
C524	403 071 6207	CERAMIC	220P	K	50V	1
RY501	620 017 0413	Relay				1
R401	401 025 7805	CARBON	2.2K	JA	1/6W	1
R402	401 016 3809	CARBON	2.2K	JA	1/4W	1
R403	401 025 8703	CARBON	220K	JA	1/6W	1
R404	401 025 8703	CARBON	220K	JA	1/6W	1
R405	401 024 7707	CARBON	100K	JA	1/6W	1
R406	401 024 7707	CARBON	100K	JA	1/6W	1
R407	401 025 8208	CARBON	22K	JA	1/6W	1
R408	401 025 8208	CARBON	22K	JA	1/6W	1
R409	401 027 8602	CARBON	8.2K	JA	1/6W	1
R410	401 027 8602	CARBON	8.2K	JA	1/6W	1
R411	401 024 7707	CARBON	100K	JA	1/6W	1
R412	401 024 7707	CARBON	100K	JA	1/6W	1
R413	401 020 0801	CARBON	470	JA	1/4W	1
R414	401 026 9600	CARBON	470	JA	1/6W	1
R415	401 020 0801	CARBON	470	JA	1/4W	1
R416	401 020 0801	CARBON	470	JA	1/4W	1
R417	401 025 4606	CARBON	18K	JA	1/6W	1
R418	401 015 3800	CARBON	18K	JA	1/4W	1
R419	401 026 9907	CARBON	4.7K	JA	1/6W	1
R420	401 025 4606	CARBON	18K	JA	1/6W	1
R421	401 018 4903	CARBON	33K	JA	1/4W	1
R422	401 018 4903	CARBON	33K	JA	1/4W	1
R425	401 012 5708	CARBON	1K	JA	1/4W	1
R426	401 012 5708	CARBON	1K	JA	1/4W	1
R427	401 025 4606	CARBON	18K	JA	1/6W	1
R428	401 025 4606	CARBON	18K	JA	1/6W	1
R429	401 021 1906	CARBON	560	JA	1/4W	1
R430	401 021 1906	CARBON	560	JA	1/4W	1
R431	401 026 7002	CARBON	3.9K	JA	1/6W	1
R432	401 026 7002	CARBON	3.9K	JA	1/6W	1
R433	401 026 7002	CARBON	3.9K	JA	1/6W	1
R434	401 026 7002	CARBON	3.9K	JA	1/6W	1
R435	402 016 5800	FUSIBLE RES	82	J-	1/2W	1
R436	402 016 5800	FUSIBLE RES	82	J-	1/2W	1
R437	401 067 6507	OXIDE-MT	3.3K	JA	2W	1
R438	401 067 6507	OXIDE-MT	3.3K	JA	2W	1
R439	402 037 6909	FUSIBLE RES	82	JA	1/4W	1
R440	402 037 6909	FUSIBLE RES	82	JA	1/4W	1
R441	402 037 7005	FUSIBLE RES	47	JA	1/4W	1
R442	402 037 7005	FUSIBLE RES	47	JA	1/4W	1
R443	402 039 3500	FUSIBLE RES	22	JA	1/4W	1
R444	402 039 3500	FUSIBLE RES	22	JA	1/4W	1
R445	402 036 4302	FUSIBLE RES	100	J-	1/4W	1
R446	402 036 4302	FUSIBLE RES	100	J-	1/4W	1
R447	402 036 4302	FUSIBLE RES	100	J-	1/4W	1
R448	402 036 4302	FUSIBLE RES	100	J-	1/4W	1
R449	401 026 9600	CARBON	470	JA	1/6W	1
R450	401 026 9600	CARBON	470	JA	1/6W	1
R451	401 027 8305	CARBON	820	JA	1/6W	1
R452	401 027 8305	CARBON	820	JA	1/6W	1
R453	401 014 5201	CARBON	15K	JA	1/4W	1
R454	401 014 5201	CARBON	15K	JA	1/4W	1
R455	401 014 5201	CARBON	15K	JA	1/4W	1
R456	401 014 5201	CARBON	15K	JA	1/4W	1
R457	402 037 7005	FUSIBLE RES	47	JA	1/4W	1
R458	402 037 7005	FUSIBLE RES	47	JA	1/4W	1
R459	402 037 7005	FUSIBLE RES	47	JA	1/4W	1
R460	402 037 7005	FUSIBLE RES	47	JA	1/4W	1
R461	401 014 5201	CARBON	15K	JA	1/4W	1
R462	401 014 5201	CARBON	15K	JA	1/4W	1
R463	402 037 7104	FUSIBLE RES	2.2	JA	1/4W	1
R464	402 037 7104	FUSIBLE RES	2.2	JA	1/4W	1
R465	402 037 7104	FUSIBLE RES	2.2	JA	1/4W	1
R466	402 037 7104	FUSIBLE RES	2.2	JA	1/4W	1
R467	402 036 2902	FUSIBLE RES	270	JA	1/4W	1
R468	402 036 2902	FUSIBLE RES	270	JA	1/4W	1
R469	402 016 4605	FUSIBLE RES	100	J-	1/2W	1
R470	402 016 4605	FUSIBLE RES	100	J-	1/2W	1
R471	402 016 4506	FUSIBLE RES	10	J-	1/2W	1
R472	402 016 4506	FUSIBLE RES	10	J-	1/2W	1
R473	401 021 4105	CARBON	56K	JA	1/4W	1
R474	401 021 4105	CARBON	56K	JA	1/4W	1
R476	401 014 5201	CARBON	15K	JA	1/4W	1
R477	401 027 0309	CARBON	47K	JA	1/6W	1
R478	401 026 9907	CARBON	4.7K	JA	1/6W	1
R479	401 024 7400	CARBON	10K	JA	1/6W	1
R480	401 017 2801	CARBON	27K	JA	1/4W	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
R481	401 027 0309	CARBON 47K JA 1/6W	1
R482	401 020 0801	CARBON 470 JA 1/4W	1
R483	401 056 4002	OXIDE-MT 4.7K JA 1/2W	1
R484	401 024 7400	CARBON 10K JA 1/6W	1
R485	401 018 4903	CARBON 33K JA 1/4W	1
R486	401 018 4903	CARBON 33K JA 1/4W	1
R487	401 012 4503	CARBON 100 JA 1/4W	1
R488	401 012 4503	CARBON 100 JA 1/4W	1
R489	402 016 4605	FUSIBLE RES 100 J- 1/2W	1
R490	402 016 4605	FUSIBLE RES 100 J- 1/2W	1
R491	402 039 3500	FUSIBLE RES 22 JA 1/4W	1
R492	402 039 3500	FUSIBLE RES 22 JA 1/4W	1
R493	401 026 9907	CARBON 4.7K JA 1/6W	1
R494	401 026 9907	CARBON 4.7K JA 1/6W	1
R495	401 024 6700	CARBON 100 JA 1/6W	1
R496	401 024 6700	CARBON 100 JA 1/6W	1
R497	401 027 1009	CARBON 5.6 JA 1/6W	1
R498	401 027 1009	CARBON 5.6 JA 1/6W	1
R499	401 025 7805	CARBON 2.2K JA 1/6W	1
R500	401 025 7805	CARBON 2.2K JA 1/6W	1
R501	401 024 7004	CARBON 1K JA 1/6W	1
R502	401 024 7004	CARBON 1K JA 1/6W	1
R503	401 024 7004	CARBON 1K JA 1/6W	1
R504	401 024 7004	CARBON 1K JA 1/6W	1
R505	401 024 7004	CARBON 1K JA 1/6W	1
R506	401 024 7004	CARBON 1K JA 1/6W	1
R507	401 024 7004	CARBON 1K JA 1/6W	1
R508	401 024 7004	CARBON 1K JA 1/6W	1
R509	401 024 7004	CARBON 1K JA 1/6W	1
R510	401 024 7004	CARBON 1K JA 1/6W	1
R511	401 024 7004	CARBON 1K JA 1/6W	1
R512	401 024 7004	CARBON 1K JA 1/6W	1
R513	401 024 7004	CARBON 1K JA 1/6W	1
R514	401 024 7004	CARBON 1K JA 1/6W	1
R515	401 024 9305	CARBON 1.2K JA 1/6W	1
R516	401 024 9305	CARBON 1.2K JA 1/6W	1
R517	401 024 9305	CARBON 1.2K JA 1/6W	1
R518	401 024 9305	CARBON 1.2K JA 1/6W	1
R519	401 024 9305	CARBON 1.2K JA 1/6W	1
R520	401 024 9305	CARBON 1.2K JA 1/6W	1
R521	401 024 9305	CARBON 1.2K JA 1/6W	1
R522	401 024 9305	CARBON 1.2K JA 1/6W	1
R523	401 024 9305	CARBON 1.2K JA 1/6W	1
R524	401 024 9305	CARBON 1.2K JA 1/6W	1
R525	401 024 9305	CARBON 1.2K JA 1/6W	1
R526	401 024 9305	CARBON 1.2K JA 1/6W	1
R527	401 013 6407	CARBON 12K JA 1/4W	1
R528	401 013 6407	CARBON 12K JA 1/4W	1
R529	401 025 7805	CARBON 2.2K JA 1/6W	1
R530	401 025 7805	CARBON 2.2K JA 1/6W	1
R531	401 025 7805	CARBON 2.2K JA 1/6W	1
R532	401 025 7805	CARBON 2.2K JA 1/6W	1
R533	402 015 9403	FUSIBLE RES 56 J- 1/4W	1
R534	402 015 9403	FUSIBLE RES 56 J- 1/4W	1
R535	401 024 7004	CARBON 1K JA 1/6W	1
R536	401 024 7004	CARBON 1K JA 1/6W	1
R537	401 024 7004	CARBON 1K JA 1/6W	1
R538	401 024 7004	CARBON 1K JA 1/6W	1
R539	401 024 7004	CARBON 1K JA 1/6W	1
R540	401 024 7004	CARBON 1K JA 1/6W	1
R541	401 024 7004	CARBON 1K JA 1/6W	1
R542	401 024 7004	CARBON 1K JA 1/6W	1
R543	401 024 7004	CARBON 1K JA 1/6W	1
R544	401 024 7004	CARBON 1K JA 1/6W	1
R545	401 024 7004	CARBON 1K JA 1/6W	1
R546	401 024 7004	CARBON 1K JA 1/6W	1

FRONT CONTROL P.C.B. ASSY

46	620 199 8283	Front Control P.C.B. Assy	1
	620 004 3045	Digitron BL-57GK	1
	620 052 4803	Cushion	1
	620 183 1030	Cushion	1
	620 183 1047	Moldplane	1
	620 184 0865	Reflector	1
CA207	620 184 8250	Connector 6P Assy	1
CA209	620 184 8281	Connector 5P Assy	1
CA211	620 185 0260	Connector 7P Assy	1
CA213	620 185 2707	Connector 3P Assy	1
CF801	620 007 3349	Ceramic.OSC CSA4.00	1

Ref. No.	Part No.	Description	Q'ty
CN212	620 021 6579	Plug 6P	1
CN214	620 021 6586	Plug 7P	1
CN215	620 021 6524	Plug 3P	1
LP801	620 030 8083	Lamp	1
S801	620 016 7819	Tact Switch 160G	1
S802	620 016 7819	Tact Switch 160G	1
S803	620 016 7819	Tact Switch 160G	1
S804	620 016 7819	Tact Switch 160G	1
S805	620 016 7819	Tact Switch 160G	1
S806	620 016 7819	Tact Switch 160G	1
S807	620 016 7819	Tact Switch 160G	1
S808	620 016 7819	Tact Switch 160G	1
S809	620 016 7819	Tact Switch 160G	1
S810	620 016 7819	Tact Switch 160G	1
S811	620 016 7819	Tact Switch 160G	1
S812	620 016 4375	Push Switch 2P2T	1
S813	620 015 2693	Tact Switch 1P1T	1
IC801	409 168 1209	IC MSC6458-30	1
IC802	409 020 4102	IC LB1642	1
Q803	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q804	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q805	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q806	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q807	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q808	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5103	TR 2SA608-G-SPA-AC	1
Q809	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q810	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q811	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q812	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q813	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q814	405 023 5306	TR 2SD400-F-MP	1
Q815	405 023 8505	TR 2SD438-F-MP	1
Q816	405 075 8300	TR DTC124TS	1
Q817	405 075 8300	TR DTC124TS	1
D811	407 008 0405	DIODE GMB01-BT	1
D812	407 008 0405	DIODE GMB01-BT	1
D813	407 008 0405	DIODE GMB01-BT	1
D814	407 008 0405	DIODE GMB01-BT	1
D815	407 008 0405	DIODE GMB01-BT	1
D816	407 008 0405	DIODE GMB01-BT	1
D817	407 008 0405	DIODE GMB01-BT	1
D818	407 008 0405	DIODE GMB01-BT	1
D819	407 008 0405	DIODE GMB01-BT	1
D820	407 008 0405	DIODE GMB01-BT	1
D821	407 008 0405	DIODE GMB01-BT	1
D822	407 008 0405	DIODE GMB01-BT	1
D823	407 008 0405	DIODE GMB01-BT	1
D824	407 008 0405	DIODE GMB01-BT	1
D825	407 008 0405	DIODE GMB01-BT	1
D826	407 008 0405	DIODE GMB01-BT	1
D827	407 008 0405	DIODE GMB01-BT	1
D828	407 008 0405	DIODE GMB01-BT	1
D829	407 008 0405	DIODE GMB01-BT	1
D830	407 004 9105	DIODE DSF10C-BT	1
D831	407 050 4703	ZENER DIODE GZA5.1X	1
D832	407 050 5502	ZENER DIODE GZA5.6Y	1
D833	407 050 2303	ZENER DIODE GZA30Z	1
D834	407 098 9906	LED SLZ-171E-03	1
D835	407 008 0405	DIODE GMB01-BT	1
D836	407 008 0405	DIODE GMB01	1
C801	403 018 8509	CERAMIC 220P K 50V	1
C802	403 018 8509	CERAMIC 220P K 50V	1
C803	403 049 1708	ELECT 1U M 50V	1
C804	403 044 8207	ELECT 10U M 25V	1
C805	403 072 2703	CERAMIC 0.022U Z 50V	1
C806	403 039 7901	ELECT 100U M 10V	1
C807	403 044 8207	ELECT 10U M 25V	1
C808	403 044 8207	ELECT 10U M 25V	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
C809	403 049 5508	ELECT 10U M 50V	1
C810	403 049 5508	ELECT 10U M 50V	1
R801	401 020 2003	CARBON 4.7K JA 1/4W	1
R802	401 020 2003	CARBON 4.7K JA 1/4W	1
R803	401 020 2003	CARBON 4.7K JA 1/4W	1
R804	401 026 9907	CARBON 4.7K JA 1/6W	1
R805	401 026 9907	CARBON 4.7K JA 1/6W	1
R806	401 026 9907	CARBON 4.7K JA 1/6W	1
R810	401 027 9005	CARBON 82K JA 1/6W	1
R811	401 012 8105	CARBON 100K JA 1/4W	1
R812	401 025 7805	CARBON 2.2K JA 1/6W	1
R813	401 026 9600	CARBON 470 JA 1/6W	1
R814	401 012 7009	CARBON 10K JA 1/4W	1
R815	401 026 9907	CARBON 4.7K JA 1/6W	1
R816	401 026 9907	CARBON 4.7K JA 1/6W	1
R817	401 020 2003	CARBON 4.7K JA 1/4W	1
R818	401 020 2003	CARBON 4.7K JA 1/4W	1
R819	401 020 2003	CARBON 4.7K JA 1/4W	1
R820	401 016 4806	CARBON 22K JA 1/4W	1
R821	401 016 4806	CARBON 22K JA 1/4W	1
R822	401 016 5803	CARBON 220K JA 1/4W	1
R823	401 016 5803	CARBON 220K JA 1/4W	1
R824	401 025 8703	CARBON 220K JA 1/6W	1
R825	401 025 8703	CARBON 220K JA 1/6W	1
R826	401 027 0309	CARBON 47K JA 1/6W	1
R827	401 016 3809	CARBON 2.2K JA 1/4W	1
R828	401 020 2003	CARBON 4.7K JA 1/4W	1
R829	401 024 7400	CARBON 10K JA 1/6W	1
R830	401 024 7400	CARBON 10K JA 1/6W	1
R831	401 027 0309	CARBON 47K JA 1/6W	1
R832	401 024 7400	CARBON 10K JA 1/6W	1
R833	401 027 0309	CARBON 47K JA 1/6W	1
R834	401 026 4605	CARBON 33K JA 1/6W	1
R835	401 025 4606	CARBON 18K JA 1/6W	1
R836	401 023 1706	CARBON 820 JA 1/4W	1
R837	401 012 7009	CARBON 10K JA 1/4W	1
R838	401 024 7400	CARBON 10K JA 1/6W	1
R839	401 025 4606	CARBON 18K JA 1/6W	1
R840	401 026 4605	CARBON 33K JA 1/6W	1
R841	401 024 7400	CARBON 10K JA 1/6W	1
R842	401 024 7400	CARBON 10K JA 1/6W	1
R843	401 024 7400	CARBON 10K JA 1/6W	1
R844	401 024 7400	CARBON 10K JA 1/6W	1
R845	401 024 7707	CARBON 100K JA 1/6W	1
R846	401 024 7707	CARBON 100K JA 1/6W	1
R847	401 024 7707	CARBON 100K JA 1/6W	1
R848	401 063 5405	OXIDE-MT 82 JB 1W	1
R849	401 058 2600	OXIDE-MT 100 JB 1W	1
R850	401 027 8305	CARBON 820 JA 1/6W	1
R851	402 016 1000	FUSIBLE RES 0.47 J- 1/2W	1
R852	401 016 3809	CARBON 2.2K JA 1/4W	1
R853	401 055 1903	OXIDE-MT 150 JA 1/2W	1
R854	401 014 4105	CARBON 1.5K JA 1/4W	1
R855	401 020 0801	CARBON 470 JA 1/4W	1
R856	401 020 2003	CARBON 4.7K JA 1/4W	1
R857	401 026 9907	CARBON 4.7K JA 1/6W	1

Following the PCB Remote Assy is included in Assy,PCB,Front Control.

PCB REMOTE ASSY

	620 185 2882	PCB Remote Assy	1
	620 118 2156	Case Shield Top	1
	620 118 2262	Case Shield Bottom	1
JW401	620 185 0376	Wire 3 Parallel	1
IC401	409 056 9409	IC UPC1490HA	1
D401	407 061 8509	DIODE TPS704	1
or	407 065 0905	PHOTO DIODE SPS-501C-1	1
C401	403 039 3200	ELECT 47U M 6.3V	1
C402	403 072 7906	CERAMIC 330P K 50V	1
C403	403 050 8000	ELECT 3.3U M 50V	1
C404	403 048 3406	ELECT 0.22U M 50V	1
R401	401 024 6700	CARBON 100 JA 1/6W	1
R402	401 025 8208	CARBON 22K JA 1/6W	1
R403	401 025 3500	CARBON 160K JA 1/6W	1
R404	401 026 8108	CARBON 4.7 JA 1/6W	1

Ref. No.	Part No.	Description	Q'ty
BACK UP TRANS P.C.B. ASSY			
47	620 199 8306	Back up Trans P.C.B. Assy	1
	620 017 2721	Fuse Clip	6
	620 018 3536	Fuse Holder	6
	620 022 2587	EC Terminal 1P	2
	411 020 8004	SCR S-TPG BRZ 3X8	1
	620 031 4763	Wire Wrap Terminal	2
	620 053 7025	Cover Safety	1
	620 053 8848	Plate Heat Sink	1
CA212	620 185 2691	Connector 6P Assy	1
C607 ⚠	620 006 6679	Capacitor 0.01MF400V	1
F601 ⚠	423 006 4702	FUSE 250V T2.5A	1
F602 ⚠	423 003 7201	FUSE 250V T0.5A	1
F603 ⚠	423 003 7201	FUSE 250V T0.5A	1
PT601 ⚠	620 199 2946	Power Trans,SEV	1
RY601	620 017 0390	Relay	1
IC601	409 074 0808	IC LA5667	1
Q601	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
D601	407 005 8602	DIODE ERA15-02	1
D602	407 005 1603	DIODE DS135D	1
D603	407 005 1603	DIODE DS135D	1
C601	403 052 6905	ELECT 10U M 35V	1
C602	403 052 6905	ELECT 10U M 35V	1
C603	403 044 8207	ELECT 10U M 25V	1
C604	403 044 8207	ELECT 10U M 25V	1
C605	403 054 2608	ELECT 470U M 35V	1
C608	404 012 7000	CERAMIC 0.01U P 500V	1
C609	404 012 7000	CERAMIC 0.01U P 500V	1
R601	402 016 4506	FUSIBLE RES 10 J- 1/2W	1
R602	402 039 3302	FUSIBLE RES 150 JA 1/2W	1
POWER TRANS P.C.B. ASSY			
48	620 199 8313	Power Trans P.C.B. Assy	1
	620 017 2721	Fuse Clip	2
CN213	620 021 5923	Plug 3P	1
F901 ⚠	423 003 7201	FUSE 250V T0.5A	1
D901	407 014 2509	DIODE 30DC1S	1
D902	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D903	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D904	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D905	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D906	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D907	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
C901	404 012 7000	CERAMIC 0.01U P 500V	1
C902	404 012 7000	CERAMIC 0.01U P 500V	1
C903	404 012 7000	CERAMIC 0.01U P 500V	1
C904	404 012 7000	CERAMIC 0.01U P 500V	1
C905	404 012 7000	CERAMIC 0.01U P 500V	1
C906	404 012 7000	CERAMIC 0.01U P 500V	1
C907	404 012 7000	CERAMIC 0.01U P 500V	1
C908	404 012 7000	CERAMIC 0.01U P 500V	1
C909	403 049 7304	ELECT 100U M 50V	1
C910	403 047 6309	ELECT 470U M 25V	1
C911	403 097 6700	ELECT 330U M 50V	1
POWER SUPPLY P.C.B. ASSY			
49	620 199 8344	Power Supply P.C.B. Assy	1
D908	407 014 2400	DIODE 30DC1RS	1
C912	404 012 7000	CERAMIC 0.01U P 500V	1
C913	404 012 7000	CERAMIC 0.01U P 500V	1
C914	404 038 5004	ELECT 10000U Q 63V	1
C915	404 038 5004	ELECT 10000U Q 63V	1
FUSE P.C.B. ASSY			
50	620 199 8351	Fuse P.C.B. Assy	1
	620 017 2721	Fuse Clip	4
F902 ⚠	423 007 7702	FUSE 250V T6.3A	1
F903 ⚠	423 007 7702	FUSE 250V T6.3A	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
TONE P.C.B. ASSY			
51	620 200 7410	Tone P.C.B. Assy	1
CA203	620 185 0321	Connector 3P Assy	1
CA205	620 185 0345	Connector 5P Assy	1
JK201	620 017 1663	Jack 7P	1
VR301	620 182 6883	VR 2X50KB	1
VR302	620 182 6876	VR 2X100KB	1
IC209	409 018 5401	IC LA6462S	1
IC210	409 018 5401	IC LA6462S	1
C301	403 049 1708	ELECT 1U M 50V	1
C302	403 049 1708	ELECT 1U M 50V	1
C303	403 023 1700	CERAMIC 33P K 50V	1
C304	403 023 1700	CERAMIC 33P K 50V	1
C305	403 023 1700	CERAMIC 33P K 50V	1
C306	403 023 1700	CERAMIC 33P K 50V	1
C307	403 057 6306	POLYESTER 1200P K 50V	1
C308	403 057 6306	POLYESTER 1200P K 50V	1
C309	403 057 6306	POLYESTER 1200P K 50V	1
C310	403 057 6306	POLYESTER 1200P K 50V	1
C311	403 060 2807	POLYESTER 0.027U K 50V	1
C312	403 060 2807	POLYESTER 0.027U K 50V	1
C313	403 046 4603	ELECT 33U M 25V	1
C314	403 046 4603	ELECT 33U M 25V	1
C315	403 047 4305	ELECT 47U M 25V	1
C316	403 047 4305	ELECT 47U M 25V	1
C317	403 047 4305	ELECT 47U M 25V	1
C318	403 047 4305	ELECT 47U M 25V	1
R331	401 027 0309	CARBON 47K JA 1/6W	1
R332	401 027 0309	CARBON 47K JA 1/6W	1
R333	401 027 0309	CARBON 47K JA 1/6W	1
R334	401 027 0309	CARBON 47K JA 1/6W	1
R335	401 016 3809	CARBON 2.2K JA 1/4W	1
R336	401 025 7805	CARBON 2.2K JA 1/6W	1
R337	401 016 3809	CARBON 2.2K JA 1/4W	1
R338	401 025 7805	CARBON 2.2K JA 1/6W	1
R339	401 025 4606	CARBON 18K JA 1/6W	1
R340	401 025 4606	CARBON 18K JA 1/6W	1
R341	401 025 4606	CARBON 18K JA 1/6W	1
R342	401 025 4606	CARBON 18K JA 1/6W	1
R343	401 025 4903	CARBON 180K JA 1/6W	1
R344	401 025 4903	CARBON 180K JA 1/6W	1
R345	401 025 4903	CARBON 180K JA 1/6W	1
R346	401 025 4903	CARBON 180K JA 1/6W	1
R347	401 024 7707	CARBON 100K JA 1/6W	1
R348	401 024 7707	CARBON 100K JA 1/6W	1
R349	401 026 9600	CARBON 470 JA 1/6W	1
R350	401 026 9600	CARBON 470 JA 1/6W	1
R351	401 026 9600	CARBON 470 JA 1/6W	1
R352	401 026 9600	CARBON 470 JA 1/6W	1
R353	401 112 5707	OXIDE-MT 470 JB 2W	1
R354	401 112 5707	OXIDE-MT 470 JB 2W	1
R355	401 112 5806	OXIDE-MT 120 JB 1/2W	1
R356	401 112 5806	OXIDE-MT 120 JB 1/2W	1
LINE IN/OUT P.C.B. ASSY			
52	620 201 4258	Line IN/OUT P.C.B. Assy	1
	620 182 8726	Pin Jack 4P	1
CA202	620 185 0314	Connector 6P Assy	1
C351	403 071 6207	CERAMIC 220P K 50V	1
C352	403 071 6207	CERAMIC 220P K 50V	1
C353	403 071 6207	CERAMIC 220P K 50V	1
C354	403 071 6207	CERAMIC 220P K 50V	1
R371	401 025 7409	CARBON 220 JA 1/6W	1
R372	401 025 7409	CARBON 220 JA 1/6W	1
R373	401 025 7409	CARBON 220 JA 1/6W	1
R374	401 025 7409	CARBON 220 JA 1/6W	1
SPEAKER TERMINAL P.C.B. ASSY			
53	620 183 4574	Speaker Terminal P.C.B. Assy	1
	620 182 9143	Speaker Terminal 4P	1
	620 182 9181	4P Terminal	1
VOLUME P.C.B. ASSY			
54	620 183 4604	Volume P.C.B. Assy	1
VR303	620 182 6852	Motor VR 20K30AMX2	1
CA206	620 184 8243	Connector 6P Assy	1
CA208	620 185 0291	Connector 3P Assy	1
CN209	620 021 5947	Plug 5P	1
CN210	620 021 7620	Plug 2P	1

Ref. No.	Part No.	Description	Q'ty
POWER TRANSISTOR LEFT P.C.B. ASSY			
55	620 183 4628	Power Transistor Left P.C.B. Assy	1
Q551	405 017 7705	TR 2SC3280-O	1
Q553	405 003 3902	TR 2SA1301-O	1
Q555	405 024 6906	TR 2SD636-R	1
PS501	408 007 7600	TH PTH487A01BB222TS	1
TH501	407 105 3606	THERMISTOR 112251-2	1
R551	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
R553	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
R555	401 022 4104	CARBON 68K JA 1/4W	1
R557	401 022 4104	CARBON 68K JA 1/4W	1
R559	401 018 2800	CARBON 330 JA 1/4W	1
R561	401 018 2800	CARBON 330 JA 1/4W	1
R563	401 015 1608	CARBON 180 JA 1/4W	1
R565	401 026 6609	CARBON 390 JA 1/6W	1
R567	620 004 4196	Cement 2X0.22 J	1
R569	401 026 3905	CARBON 330 JA 1/6W	1
R571	401 026 3905	CARBON 330 JA 1/6W	1
POWER TRANSISTOR RIGHT P.C.B. ASSY			
56	620 183 4635	Power Transistor Right P.C.B. Assy	1
Q552	405 017 7705	TR 2SC3280-O	1
Q554	405 003 3902	TR 2SA1301-O	1
Q556	405 024 6906	TR 2SD636-R	1
PS502	408 007 7600	TH PTH487A01BB222TS	1
TH502	407 105 3606	THERMISTOR 112251-2	1
R552	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
R554	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
R556	401 022 4104	CARBON 68K JA 1/4W	1
R558	401 022 4104	CARBON 68K JA 1/4W	1
R560	401 018 2800	CARBON 330 JA 1/4W	1
R562	401 018 2800	CARBON 330 JA 1/4W	1
R564	401 015 1608	CARBON 180 JA 1/4W	1
R566	401 026 6609	CARBON 390 JA 1/6W	1
R568	620 004 4196	Cement 2X0.22 J	1
R570	401 026 3905	CARBON 330 JA 1/6W	1
R572	401 026 3905	CARBON 330 JA 1/6W	1
INPUT BUFFER P.C.B. ASSY			
57	620 183 4666	Input Buffer P.C.B. Assy	1
PL101	620 182 9082	Pin Plug 4P	1
PL102	620 182 9082	Pin Plug 4P	1
PL103	620 182 9082	Pin Plug 4P	1
PL104	620 182 9082	Pin Plug 4P	1
PL105	620 182 9082	Pin Plug 4P	1
PL106	620 182 9082	Pin Plug 4P	1
PL107	620 182 9082	Pin Plug 4P	1
PL108	620 182 9099	Pin Plug 5P	1
ST101	620 182 8672	Socket 17P	1
ST102	620 182 8672	Socket 17P	1
IC101	409 018 5203	IC LA6462D	1
IC102	409 018 5203	IC LA6462D	1
IC103	409 018 5203	IC LA6462D	1
IC104	409 018 5203	IC LA6462D	1
IC105	409 018 5203	IC LA6462D	1
IC106	409 018 5203	IC LA6462D	1
Q101	405 010 9300	TR 2SC1570-H-NP	1
Q102	405 010 9300	TR 2SC1570-H-NP	1
Q103	405 010 9300	TR 2SC1570-H-NP	1
Q104	405 010 9300	TR 2SC1570-H-NP	1
C101	403 024 8213	CERAMIC 390P K 50V	1
C102	403 024 8213	CERAMIC 390P K 50V	1
C103	403 050 1605	ELECT 2.2U M 50V	1
C104	403 050 1605	ELECT 2.2U M 50V	1
C105	403 039 8106	ELECT 100U M 10V	1
C106	403 039 8106	ELECT 100U M 10V	1
C107	403 009 8105	CERAMIC 100P K 50V	1
C108	403 009 8105	CERAMIC 100P K 50V	1
C109	403 061 8709	POLYESTER 4700P K 50V	1
C110	403 061 8709	POLYESTER 4700P K 50V	1
C111	403 059 0401	POLYESTER 0.018U K 50V	1
C112	403 059 0401	POLYESTER 0.018U K 50V	1
C113	403 044 8504	ELECT 10U M 25V	1
C114	403 044 8504	ELECT 10U M 25V	1
C115	403 047 4404	ELECT 47U M 25V	1
C116	403 047 4404	ELECT 47U M 25V	1
C117	403 018 8509	CERAMIC 220P K 50V	1
C118	403 018 8509	CERAMIC 220P K 50V	1
C119	403 050 1605	ELECT 2.2U M 50V	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description				Q'ty
C120	403 050 1605	ELECT	2.2U	M	50V	1
C121	403 044 8504	ELECT	10U	M	25V	1
C122	403 044 8504	ELECT	10U	M	25V	1
C123	403 047 4404	ELECT	47U	M	25V	1
C124	403 047 4404	ELECT	47U	M	25V	1
C125	403 018 8509	CERAMIC	220P	K	50V	1
C126	403 018 8509	CERAMIC	220P	K	50V	1
C127	403 050 1605	ELECT	2.2U	M	50V	1
C128	403 050 1605	ELECT	2.2U	M	50V	1
C129	403 044 8504	ELECT	10U	M	25V	1
C130	403 044 8504	ELECT	10U	M	25V	1
C131	403 047 4404	ELECT	47U	M	25V	1
C132	403 047 4404	ELECT	47U	M	25V	1
C133	403 018 8509	CERAMIC	220P	K	50V	1
C134	403 018 8509	CERAMIC	220P	K	50V	1
C135	403 050 1605	ELECT	2.2U	M	50V	1
C136	403 050 1605	ELECT	2.2U	M	50V	1
C137	403 044 8504	ELECT	10U	M	25V	1
C138	403 044 8504	ELECT	10U	M	25V	1
C139	403 047 4404	ELECT	47U	M	25V	1
C140	403 047 4404	ELECT	47U	M	25V	1
C141	403 018 8509	CERAMIC	220P	K	50V	1
C142	403 018 8509	CERAMIC	220P	K	50V	1
C143	403 050 1605	ELECT	2.2U	M	50V	1
C144	403 050 1605	ELECT	2.2U	M	50V	1
C145	403 046 4801	ELECT	33U	M	25V	1
C146	403 046 4801	ELECT	33U	M	25V	1
C147	403 047 4404	ELECT	47U	M	25V	1
C148	403 047 4404	ELECT	47U	M	25V	1
C149	403 018 8509	CERAMIC	220P	K	50V	1
C150	403 018 8509	CERAMIC	220P	K	50V	1
C151	403 050 1605	ELECT	2.2U	M	50V	1
C152	403 050 1605	ELECT	2.2U	M	50V	1
C153	403 023 1700	CERAMIC	33P	K	50V	1
C154	403 023 1700	CERAMIC	33P	K	50V	1
C155	403 047 1809	ELECT	4.7U	M	25V	1
C156	403 047 1809	ELECT	4.7U	M	25V	1
C157	403 044 8504	ELECT	10U	M	25V	1
C158	403 044 8504	ELECT	10U	M	25V	1
C159	403 047 4404	ELECT	47U	M	25V	1
C160	403 047 4404	ELECT	47U	M	25V	1
C161	403 018 8509	CERAMIC	220P	K	50V	1
C162	403 018 8509	CERAMIC	220P	K	50V	1
C163	403 050 1605	ELECT	2.2U	M	50V	1
C164	403 050 1605	ELECT	2.2U	M	50V	1
C165	403 047 1809	ELECT	4.7U	M	25V	1
C166	403 047 1809	ELECT	4.7U	M	25V	1
C167	403 044 8504	ELECT	10U	M	25V	1
C168	403 044 8504	ELECT	10U	M	25V	1
C169	403 023 1700	CERAMIC	33P	K	50V	1
C170	403 023 1700	CERAMIC	33P	K	50V	1
C171	403 047 4404	ELECT	47U	M	25V	1
C172	403 047 4404	ELECT	47U	M	25V	1
C173	403 018 8509	CERAMIC	220P	K	50V	1
C174	403 018 8509	CERAMIC	220P	K	50V	1
C175	403 050 1605	ELECT	2.2U	M	50V	1
C176	403 050 1605	ELECT	2.2U	M	50V	1
C177	403 047 1809	ELECT	4.7U	M	25V	1
C178	403 047 1809	ELECT	4.7U	M	25V	1
C179	403 023 1700	CERAMIC	33P	K	50V	1
C180	403 023 1700	CERAMIC	33P	K	50V	1
C181	403 044 8504	ELECT	10U	M	25V	1
C182	403 044 8504	ELECT	10U	M	25V	1
C183	403 047 4404	ELECT	47U	M	25V	1
C184	403 047 4404	ELECT	47U	M	25V	1
R100	401 026 9600	CARBON	470	JA	1/6W	1
R101	401 024 7707	CARBON	100K	JA	1/6W	1
R102	401 024 7707	CARBON	100K	JA	1/6W	1
R103	401 024 7707	CARBON	100K	JA	1/6W	1
R104	401 024 7707	CARBON	100K	JA	1/6W	1
R105	401 025 9502	CARBON	240	JA	1/6W	1
R106	401 025 9502	CARBON	240	JA	1/6W	1
R107	401 025 1902	CARBON	15K	JA	1/6W	1
R108	401 025 1902	CARBON	15K	JA	1/6W	1
R109	401 025 4903	CARBON	180K	JA	1/6W	1
R110	401 025 4903	CARBON	180K	JA	1/6W	1
R111	401 024 7707	CARBON	100K	JA	1/6W	1
R112	401 024 7707	CARBON	100K	JA	1/6W	1
R113	401 025 7409	CARBON	220	JA	1/6W	1

Ref. No.	Part No.	Description				Q'ty
R114	401 025 7409	CARBON	220	JA	1/6W	1
R115	401 026 9600	CARBON	470	JA	1/6W	1
R116	401 026 9600	CARBON	470	JA	1/6W	1
R117	401 024 7707	CARBON	100K	JA	1/6W	1
R118	401 024 7707	CARBON	100K	JA	1/6W	1
R119	401 024 7707	CARBON	100K	JA	1/6W	1
R120	401 024 7707	CARBON	100K	JA	1/6W	1
R121	401 027 2600	CARBON	5.6K	JA	1/6W	1
R122	401 027 2600	CARBON	5.6K	JA	1/6W	1
R123	401 024 7707	CARBON	100K	JA	1/6W	1
R124	401 024 7707	CARBON	100K	JA	1/6W	1
R125	401 025 7409	CARBON	220	JA	1/6W	1
R126	401 025 7409	CARBON	220	JA	1/6W	1
R127	401 026 9600	CARBON	470	JA	1/6W	1
R128	401 026 9600	CARBON	470	JA	1/6W	1
R129	401 024 7707	CARBON	100K	JA	1/6W	1
R130	401 024 7707	CARBON	100K	JA	1/6W	1
R131	401 024 7707	CARBON	100K	JA	1/6W	1
R132	401 024 7707	CARBON	100K	JA	1/6W	1
R133	401 024 7707	CARBON	100K	JA	1/6W	1
R134	401 024 7707	CARBON	100K	JA	1/6W	1
R135	401 025 7409	CARBON	220	JA	1/6W	1
R136	401 025 7409	CARBON	220	JA	1/6W	1
R137	401 026 9600	CARBON	470	JA	1/6W	1
R138	401 026 9600	CARBON	470	JA	1/6W	1
R139	401 024 7707	CARBON	100K	JA	1/6W	1
R140	401 024 7707	CARBON	100K	JA	1/6W	1
R141	401 024 7707	CARBON	100K	JA	1/6W	1
R142	401 024 7707	CARBON	100K	JA	1/6W	1
R143	401 027 2600	CARBON	5.6K	JA	1/6W	1
R144	401 027 2600	CARBON	5.6K	JA	1/6W	1
R145	401 024 7707	CARBON	100K	JA	1/6W	1
R146	401 024 7707	CARBON	100K	JA	1/6W	1
R147	401 025 7409	CARBON	220	JA	1/6W	1
R148	401 025 7409	CARBON	220	JA	1/6W	1
R149	401 026 9600	CARBON	470	JA	1/6W	1
R150	401 026 9600	CARBON	470	JA	1/6W	1
R151	401 024 7707	CARBON	100K	JA	1/6W	1
R152	401 024 7707	CARBON	100K	JA	1/6W	1
R153	401 024 7707	CARBON	100K	JA	1/6W	1
R154	401 024 7707	CARBON	100K	JA	1/6W	1
R155	401 024 7707	CARBON	100K	JA	1/6W	1
R156	401 024 7707	CARBON	100K	JA	1/6W	1
R157	401 025 7409	CARBON	220	JA	1/6W	1
R158	401 025 7409	CARBON	220	JA	1/6W	1
R159	401 026 9600	CARBON	470	JA	1/6W	1
R160	401 026 9600	CARBON	470	JA	1/6W	1
R161	401 024 7707	CARBON	100K	JA	1/6W	1
R162	401 024 7707	CARBON	100K	JA	1/6W	1
R163	401 024 7707	CARBON	100K	JA	1/6W	1
R164	401 024 7707	CARBON	100K	JA	1/6W	1
R165	401 027 3003	CARBON	56K	JA	1/6W	1
R166	401 027 3003	CARBON	56K	JA	1/6W	1
R167	401 026 4605	CARBON	33K	JA	1/6W	1
R168	401 026 4605	CARBON	33K	JA	1/6W	1
R169	401 024 7707	CARBON	100K	JA	1/6W	1
R170	401 024 7707	CARBON	100K	JA	1/6W	1
R171	401 025 7409	CARBON	220	JA	1/6W	1
R172	401 025 7409	CARBON	220	JA	1/6W	1
R173	401 020 0801	CARBON	470	JA	1/4W	1
R174	401 026 9600	CARBON	470	JA	1/6W	1
R175	401 024 7707	CARBON	100K	JA	1/6W	1
R176	401 024 7707	CARBON	100K	JA	1/6W	1
R177	401 024 7707	CARBON	100K	JA	1/6W	1
R178	401 024 7707	CARBON	100K	JA	1/6W	1
R179	401 027 3003	CARBON	56K	JA	1/6W	1
R180	401 027 3003	CARBON	56K	JA	1/6W	1
R181	401 026 4605	CARBON	33K	JA	1/6W	1
R182	401 026 4605	CARBON	33K	JA	1/6W	1
R183	401 024 7707	CARBON	100K	JA	1/6W	1
R184	401 024 7707	CARBON	100K	JA	1/6W	1
R185	401 025 7409	CARBON	220	JA	1/6W	1
R186	401 025 7409	CARBON	220	JA	1/6W	1
R187	401 020 0801	CARBON	470	JA	1/4W	1
R188	401 026 9600	CARBON	470	JA	1/6W	1
R189	401 024 7707	CARBON	100K	JA	1/6W	1
R190	401 024 7707	CARBON	100K	JA	1/6W	1
R191	401 024 7707	CARBON	100K	JA	1/6W	1
R192	401 024 7707	CARBON	100K	JA	1/6W	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
R193	401 027 3003	CARBON 56K JA 1/6W	1
R194	401 027 3003	CARBON 56K JA 1/6W	1
R195	401 026 4605	CARBON 33K JA 1/6W	1
R196	401 026 4605	CARBON 33K JA 1/6W	1
R197	401 024 7707	CARBON 100K JA 1/6W	1
R198	401 024 7707	CARBON 100K JA 1/6W	1
R199	401 025 7409	CARBON 220 JA 1/6W	1
R200	401 025 7409	CARBON 220 JA 1/6W	1
R99	401 026 9600	CARBON 470 JA 1/6W	1
BRIDGE PLUG P.C.B. ASSY			
58	620 183 4673	Bridge Plug P.C.B. Assy	1
PC101	620 182 9051	Plug 17P	1
PC102	620 182 9051	Plug 17P	1
PC201	620 182 9051	Plug 17P	1
PC202	620 182 9051	Plug 17P	1
BALANCE VOLUME P.C.B. ASSY			
59	620 183 4680	Balance Volume P.C.B. Assy	1
CA204	620 184 8212	Connector 3P Assy	1
CA215	620 184 8229	Connector 3P Assy	1
CN206	620 021 6579	Plug 6P	1
S201	620 182 7811	Switch Push 1KEY	1
S202	620 182 7828	Rotary Switch 1P3T	1
VR201	620 182 6869	VR 20KMN	1
D211	407 008 0405	DIODE GMB01-BT	1
D212	407 008 0405	DIODE GMB01-BT	1
C321	403 058 1607	POLYESTER 1500P K 50V	1
C322	403 058 1607	POLYESTER 1500P K 50V	1
C323	403 067 6709	MT-COMPO 0.22U J 50V	1
C324	403 067 6709	MT-COMPO 0.22U J 50V	1
R361	401 026 4308	CARBON 3.3K JA 1/6W	1
R362	401 026 4308	CARBON 3.3K JA 1/6W	1
R363	401 025 8703	CARBON 220K JA 1/6W	1
R364	401 025 8703	CARBON 220K JA 1/6W	1
ANALOGUE SWITCH P.C.B. ASSY			
60	620 183 4697	Analogue Switch P.C.B. Assy	1
CN202	620 021 6579	Plug 6P	1
CN203	620 021 6524	Plug 3P	1
CN204	620 021 9860	Plug 3P	1
PL201	620 182 9082	Pin Plug 4P	1
PL202	620 182 9075	Pin Plug 3P	1
PL203	620 182 9082	Pin Plug 4P	1
PL204	620 182 9082	Pin Plug 4P	1
PL205	620 182 9105	Pin Plug 7P	1
PL206	620 182 9105	Pin Plug 7P	1
ST201	620 182 8672	Socket 17P	1
ST202	620 182 8672	Socket 17P	1
IC203	409 109 5105	IC LC7821	1
IC204	409 109 5105	IC LC7821	1
IC205	409 109 5105	IC LC7821	1
C221	403 072 2703	CERAMIC 0.022U Z 50V	1
C222	403 044 8207	ELECT 10U M 25V	1
C223	403 047 9607	ELECT 0.1U M 50V	1
C224	403 072 2703	CERAMIC 0.022U Z 50V	1
C225	403 044 8207	ELECT 10U M 25V	1
C226	403 072 2703	CERAMIC 0.022U Z 50V	1
C227	403 044 8207	ELECT 10U M 25V	1
C228	403 047 9607	ELECT 0.1U M 50V	1
C229	403 072 2703	CERAMIC 0.022U Z 50V	1
C230	403 044 8207	ELECT 10U M 25V	1
C231	403 072 2703	CERAMIC 0.022U Z 50V	1
C232	403 044 8207	ELECT 10U M 25V	1
C233	403 047 9607	ELECT 0.1U M 50V	1
C234	403 072 2703	CERAMIC 0.022U Z 50V	1
C235	403 044 8207	ELECT 10U M 25V	1
R241	401 027 0309	CARBON 47K JA 1/6W	1
R242	401 027 0309	CARBON 47K JA 1/6W	1
R243	401 027 0309	CARBON 47K JA 1/6W	1
R244	401 027 0309	CARBON 47K JA 1/6W	1
R245	401 027 0309	CARBON 47K JA 1/6W	1
SURROUND P.C.B. ASSY			
61	620 183 4703	Surround P.C.B. Assy	1
CN205	620 021 6562	Plug 5P	1
PL210	620 182 9105	Pin Plug 7P	1
PL211	620 182 9105	Pin Plug 7P	1
PL212	620 182 9075	Pin Plug 3P	1

Ref. No.	Part No.	Description	Q'ty
PL213	620 182 9075	Pin Plug 3P	1
PL214	620 182 9068	Pin Plug 10P	1
PL215	620 182 9105	Pin Plug 7P	1
IC206	409 018 5203	IC LA6462D	1
IC207	409 021 0400	IC LC4966	1
Q221	405 010 9201	TR 2SC1570-G-NP	1
Q222	405 010 9201	TR 2SC1570-G-NP	1
Q223	405 010 9201	TR 2SC1570-G-NP	1
Q224	405 010 9201	TR 2SC1570-G-NP	1
Q225	405 010 9201	TR 2SC1570-G-NP	1
Q226	405 010 9201	TR 2SC1570-G-NP	1
Q227	405 010 9201	TR 2SC1570-G-NP	1
Q228	405 010 9201	TR 2SC1570-G-NP	1
Q229	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
C241	403 049 1708	ELECT 1U M 50V	1
C242	403 049 1708	ELECT 1U M 50V	1
C243	403 051 2106	ELECT 4.7U M 50V	1
C244	403 051 2106	ELECT 4.7U M 50V	1
C245	403 047 4305	ELECT 47U M 25V	1
C246	403 047 4305	ELECT 47U M 25V	1
C247	403 049 1708	ELECT 1U M 50V	1
C248	403 049 1708	ELECT 1U M 50V	1
C249	403 051 2106	ELECT 4.7U M 50V	1
C250	403 051 2106	ELECT 4.7U M 50V	1
C251	403 047 4305	ELECT 47U M 25V	1
C252	403 047 4305	ELECT 47U M 25V	1
C253	403 049 1708	ELECT 1U M 50V	1
C254	403 049 1708	ELECT 1U M 50V	1
C255	403 051 2106	ELECT 4.7U M 50V	1
C256	403 051 2106	ELECT 4.7U M 50V	1
C257	403 047 4305	ELECT 47U M 25V	1
C258	403 047 4305	ELECT 47U M 25V	1
C259	403 049 1708	ELECT 1U M 50V	1
C260	403 049 1708	ELECT 1U M 50V	1
C261	403 051 2106	ELECT 4.7U M 50V	1
C262	403 051 2106	ELECT 4.7U M 50V	1
C263	403 047 4305	ELECT 47U M 25V	1
C264	403 047 4305	ELECT 47U M 25V	1
C265	403 049 1708	ELECT 1U M 50V	1
C266	403 049 1708	ELECT 1U M 50V	1
C267	403 058 3700	POLYESTER 0.015U K 50V	1
C268	403 058 3700	POLYESTER 0.015U K 50V	1
C269	403 023 1700	CERAMIC 33P K 50V	1
C270	403 023 1700	CERAMIC 33P K 50V	1
C271	403 044 8207	ELECT 10U M 25V	1
C272	403 044 8207	ELECT 10U M 25V	1
C273	403 047 4305	ELECT 47U M 25V	1
C274	403 047 4305	ELECT 47U M 25V	1
C275	403 072 2703	CERAMIC 0.022U Z 50V	1
C276	403 044 8207	ELECT 10U M 25V	1
C277	403 072 2703	CERAMIC 0.022U Z 50V	1
C278	403 044 8207	ELECT 10U M 25V	1
C279	403 059 4102	POLYESTER 2200P K 50V	1
C280	403 059 4102	POLYESTER 2200P K 50V	1
R251	401 025 8703	CARBON 220K JA 1/6W	1
R252	401 025 8703	CARBON 220K JA 1/6W	1
R253	401 024 7707	CARBON 100K JA 1/6W	1
R254	401 024 7707	CARBON 100K JA 1/6W	1
R255	401 025 7409	CARBON 220 JA 1/6W	1
R256	401 025 7409	CARBON 220 JA 1/6W	1
R257	401 027 2600	CARBON 5.6K JA 1/6W	1
R258	401 027 2600	CARBON 5.6K JA 1/6W	1
R259	401 027 0309	CARBON 47K JA 1/6W	1
R260	401 027 0309	CARBON 47K JA 1/6W	1
R261	401 026 9600	CARBON 470 JA 1/6W	1
R262	401 026 9600	CARBON 470 JA 1/6W	1
R263	401 026 1307	CARBON 27K JA 1/6W	1
R264	401 026 1307	CARBON 27K JA 1/6W	1
R265	401 024 7707	CARBON 100K JA 1/6W	1
R266	401 024 7707	CARBON 100K JA 1/6W	1
R267	401 024 7707	CARBON 100K JA 1/6W	1
R268	401 024 7707	CARBON 100K JA 1/6W	1
R269	401 025 7409	CARBON 220 JA 1/6W	1
R270	401 025 7409	CARBON 220 JA 1/6W	1
R271	401 027 2600	CARBON 5.6K JA 1/6W	1
R272	401 027 2600	CARBON 5.6K JA 1/6W	1
R273	401 027 0309	CARBON 47K JA 1/6W	1
R274	401 027 0309	CARBON 47K JA 1/6W	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
R275	401 026 9600	CARBON 470 JA 1/6W	1
R276	401 026 9600	CARBON 470 JA 1/6W	1
R277	401 026 1307	CARBON 27K JA 1/6W	1
R278	401 026 1307	CARBON 27K JA 1/6W	1
R279	401 024 7707	CARBON 100K JA 1/6W	1
R280	401 024 7707	CARBON 100K JA 1/6W	1
R281	401 024 7707	CARBON 100K JA 1/6W	1
R282	401 024 7707	CARBON 100K JA 1/6W	1
R283	401 025 7409	CARBON 220 JA 1/6W	1
R284	401 025 7409	CARBON 220 JA 1/6W	1
R285	401 027 2600	CARBON 5.6K JA 1/6W	1
R286	401 027 2600	CARBON 5.6K JA 1/6W	1
R287	401 027 0309	CARBON 47K JA 1/6W	1
R288	401 027 0309	CARBON 47K JA 1/6W	1
R289	401 020 0801	CARBON 470 JA 1/4W	1
R290	401 026 9600	CARBON 470 JA 1/6W	1
R291	401 025 7805	CARBON 2.2K JA 1/6W	1
R292	401 025 7805	CARBON 2.2K JA 1/6W	1
R293	401 025 8703	CARBON 220K JA 1/6W	1
R294	401 025 8703	CARBON 220K JA 1/6W	1
R295	401 024 7707	CARBON 100K JA 1/6W	1
R296	401 024 7707	CARBON 100K JA 1/6W	1
R297	401 025 7409	CARBON 220 JA 1/6W	1
R298	401 025 7409	CARBON 220 JA 1/6W	1
R299	401 027 2600	CARBON 5.6K JA 1/6W	1
R300	401 027 2600	CARBON 5.6K JA 1/6W	1
R301	401 027 0309	CARBON 47K JA 1/6W	1
R302	401 027 0309	CARBON 47K JA 1/6W	1
R303	401 026 9600	CARBON 470 JA 1/6W	1
R304	401 026 9600	CARBON 470 JA 1/6W	1
R305	401 024 7707	CARBON 100K JA 1/6W	1
R306	401 024 7707	CARBON 100K JA 1/6W	1
R307	401 024 7400	CARBON 10K JA 1/6W	1
R308	401 024 7400	CARBON 10K JA 1/6W	1
R309	401 025 8208	CARBON 22K JA 1/6W	1
R310	401 025 8208	CARBON 22K JA 1/6W	1
R311	401 025 1902	CARBON 15K JA 1/6W	1
R312	401 025 1902	CARBON 15K JA 1/6W	1
R313	401 025 8208	CARBON 22K JA 1/6W	1
R314	401 016 4806	CARBON 22K JA 1/4W	1
R315	401 024 7400	CARBON 10K JA 1/6W	1
R316	401 024 7400	CARBON 10K JA 1/6W	1
R317	401 012 8105	CARBON 100K JA 1/4W	1
R318	401 024 7707	CARBON 100K JA 1/6W	1
R319	401 026 9600	CARBON 470 JA 1/6W	1
R320	401 026 9600	CARBON 470 JA 1/6W	1
R321	401 024 7707	CARBON 100K JA 1/6W	1
R322	401 024 7707	CARBON 100K JA 1/6W	1
R323	401 027 0309	CARBON 47K JA 1/6W	1
R324	401 027 0309	CARBON 47K JA 1/6W	1
R325	401 027 0309	CARBON 47K JA 1/6W	1
VIDEO SWITCH P.C.B. ASSY			
62	620 191 2807	Video Switch P.C.B. Assy	1
	620 017 9058	Pin Jack 3P	1
	620 018 1846	Pin Jack 2P	2
	620 117 6902	Bracket P.C.B.	2
CA214	620 184 8274	Connector 7P Assy	1
CN201	620 021 6524	Plug 3P	1
IC201	409 116 1800	IC LA7952	1
IC202	409 116 1800	IC LA7952	1
Q204	405 011 8500	TR 2SC1740S-R	1
Q205	405 019 3804	TR 2SC536-G-NP-AA	1
Q206	405 019 3804	TR 2SC536-G-NP-AA	1
Q207	405 011 8500	TR 2SC1740S-R	1
Q208	405 019 3804	TR 2SC536-G-NP-AA	1
Q209	405 019 3804	TR 2SC536-G-NP-AA	1
C201	403 050 1308	ELECT 2.2U M 50V	1
C202	403 050 1308	ELECT 2.2U M 50V	1
C203	403 050 1308	ELECT 2.2U M 50V	1
C204	403 050 1308	ELECT 2.2U M 50V	1
C205	403 050 1308	ELECT 2.2U M 50V	1
C206	403 050 1308	ELECT 2.2U M 50V	1
C207	403 050 1308	ELECT 2.2U M 50V	1
C208	403 044 0300	ELECT 47U M 16V	1
C209	403 044 0300	ELECT 47U M 16V	1
C210	403 044 3004	ELECT 470U M 16V	1
C211	403 044 3004	ELECT 470U M 16V	1
C212	403 044 3004	ELECT 470U M 16V	1
C213	403 050 1308	ELECT 2.2U M 50V	1
C214	403 001 2309	CERAMIC 0.01U N 16V	1
R201	401 022 6801	CARBON 75 JA 1/4W	1
R202	401 022 6801	CARBON 75 JA 1/4W	1
R203	401 022 6801	CARBON 75 JA 1/4W	1
R204	401 022 6801	CARBON 75 JA 1/4W	1
R210	401 019 1000	CARBON 390 JA 1/4W	1
R211	401 024 7400	CARBON 10K JA 1/6W	1
R212	401 022 6801	CARBON 75 JA 1/4W	1
R213	401 025 7409	CARBON 220 JA 1/6W	1
R214	401 025 7102	CARBON 22 JA 1/6W	1
R215	401 025 7805	CARBON 2.2K JA 1/6W	1
R216	401 025 1308	CARBON 150 JA 1/6W	1
R217	401 027 0309	CARBON 47K JA 1/6W	1
R218	401 019 1000	CARBON 390 JA 1/4W	1
R219	401 024 7400	CARBON 10K JA 1/6W	1
R220	401 022 6801	CARBON 75 JA 1/4W	1
R221	401 024 7004	CARBON 1K JA 1/6W	1
R222	401 024 7004	CARBON 1K JA 1/6W	1
R223	401 025 7409	CARBON 220 JA 1/6W	1
R224	401 025 7102	CARBON 22 JA 1/6W	1
R225	401 025 7805	CARBON 2.2K JA 1/6W	1
R226	401 025 1308	CARBON 150 JA 1/6W	1
R227	401 020 2904	CARBON 47K JA 1/4W	1
R228	401 019 1000	CARBON 390 JA 1/4W	1
R229	401 024 7400	CARBON 10K JA 1/6W	1
R230	401 022 6801	CARBON 75 JA 1/4W	1
R231	402 016 3400	FUSIBLE RES 56 J- 1/2W	1
R234	401 025 8208	CARBON 22K JA 1/6W	1
R235	401 025 1902	CARBON 15K JA 1/6W	1
BRIDGE P.C.B. ASSY			
63	620 184 7796	Bridge P.C.B. Assy	1
	620 182 7606	Bridge P.C.B.	1
VOLUME IND. P.C.B. ASSY			
64	620 184 7802	Volume IND. P.C.B. Assy	1
CA210	620 018 1952	Connector 2P Assy	1
D851	407 028 7903	LED SLP-171E	1

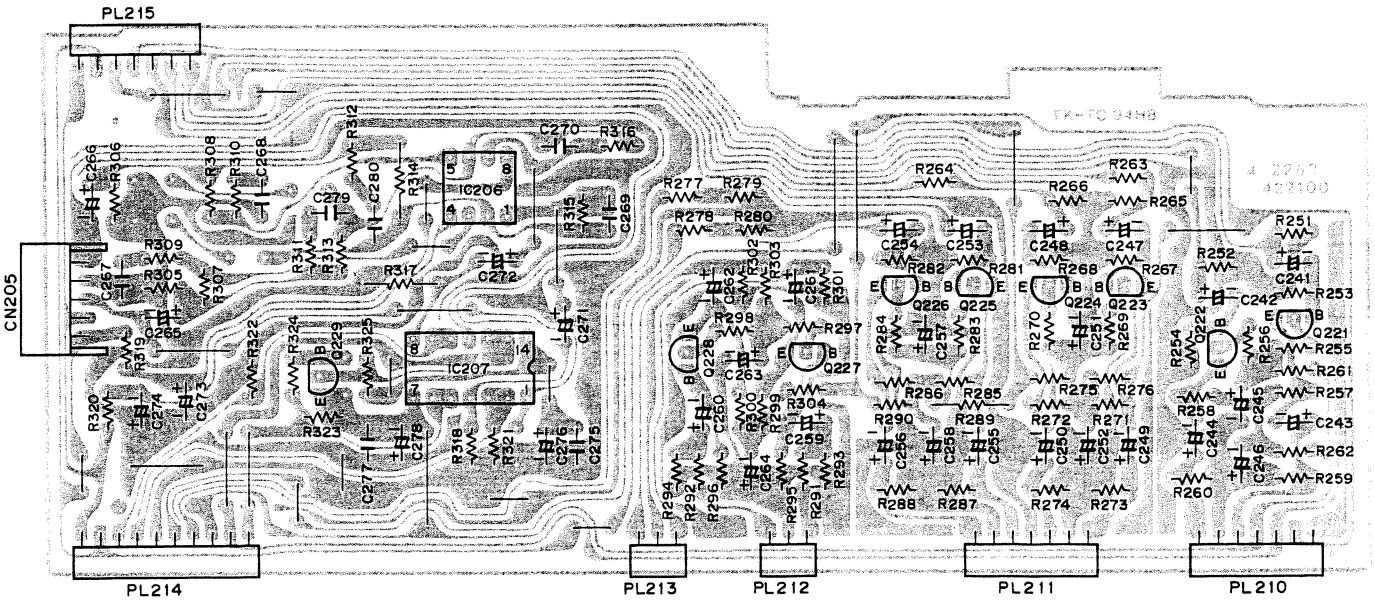
NOTES:

1. Parts order must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

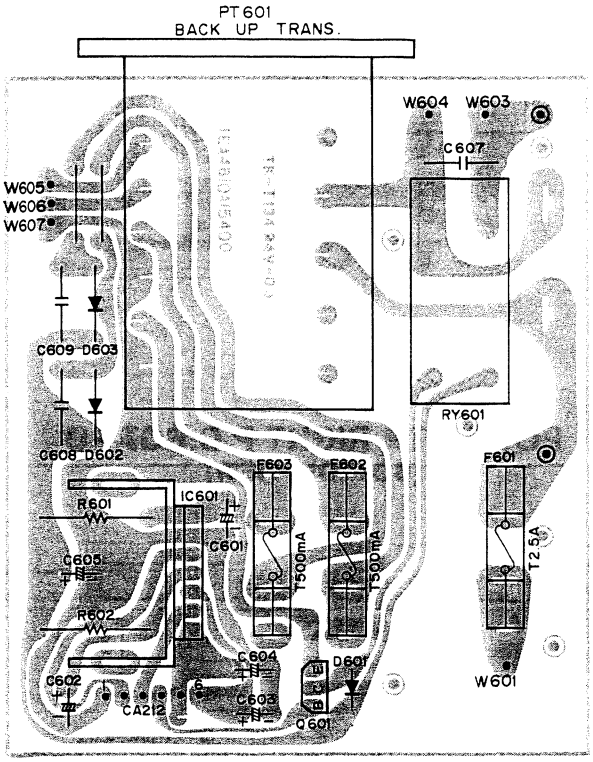
PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

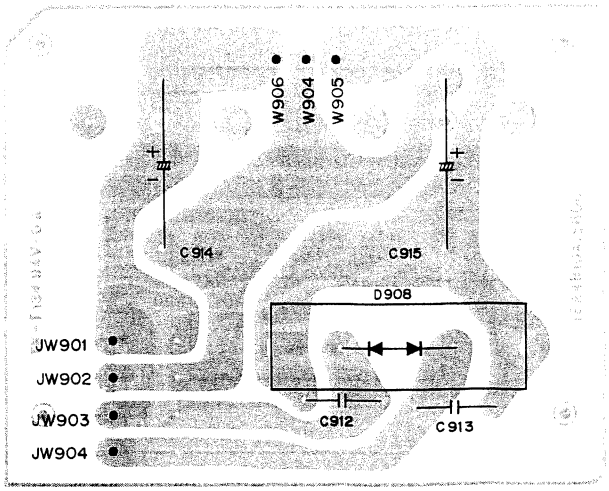
SURROUND P.C.BOARD
(BOTTOM VIEW)



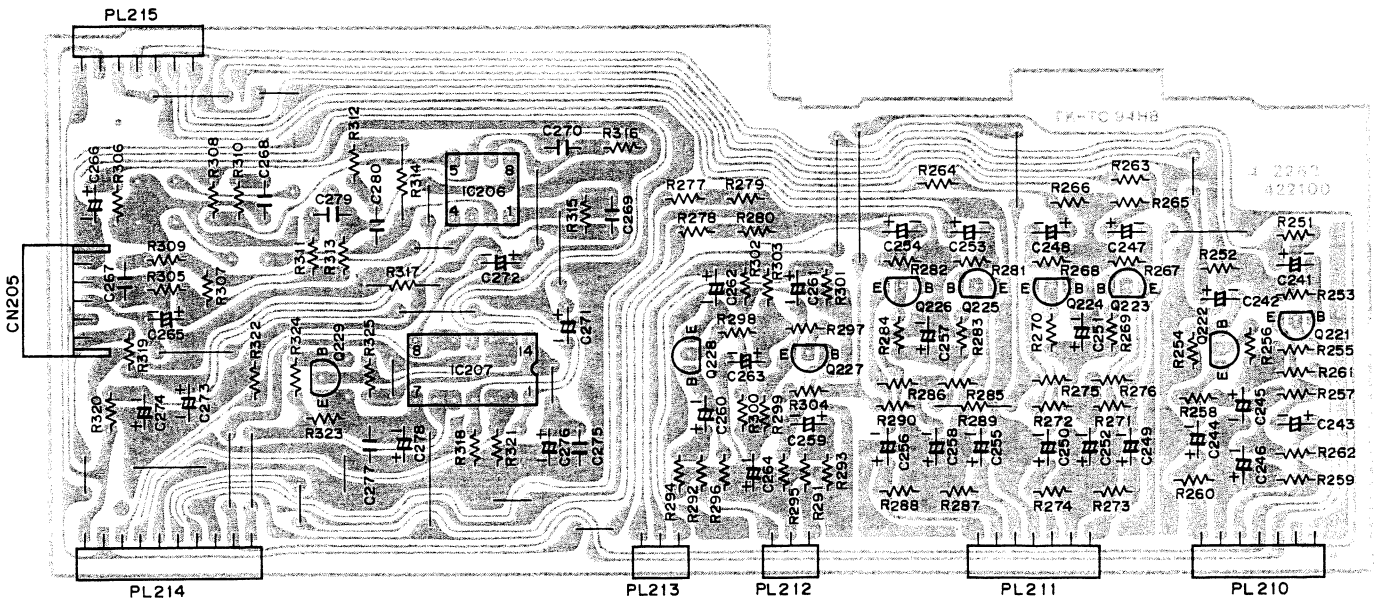
BACK UP TRANS P.C.BOARD
(BOTTOM VIEW)



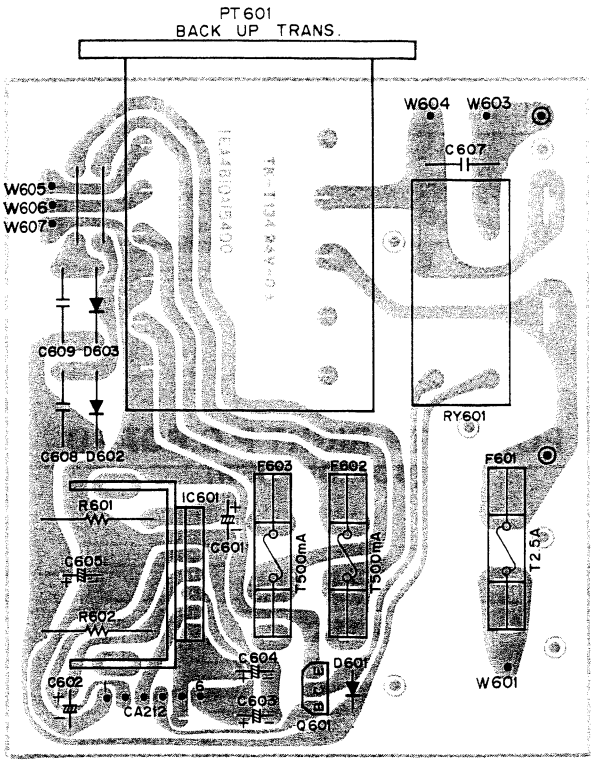
POWER SUPPLY P.C.BOARD
(BOTTOM VIEW)



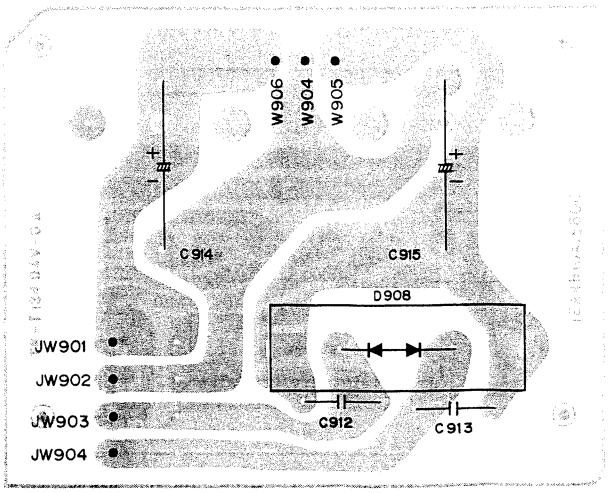
SURROUND P.C.BOARD
(BOTTOM VIEW)



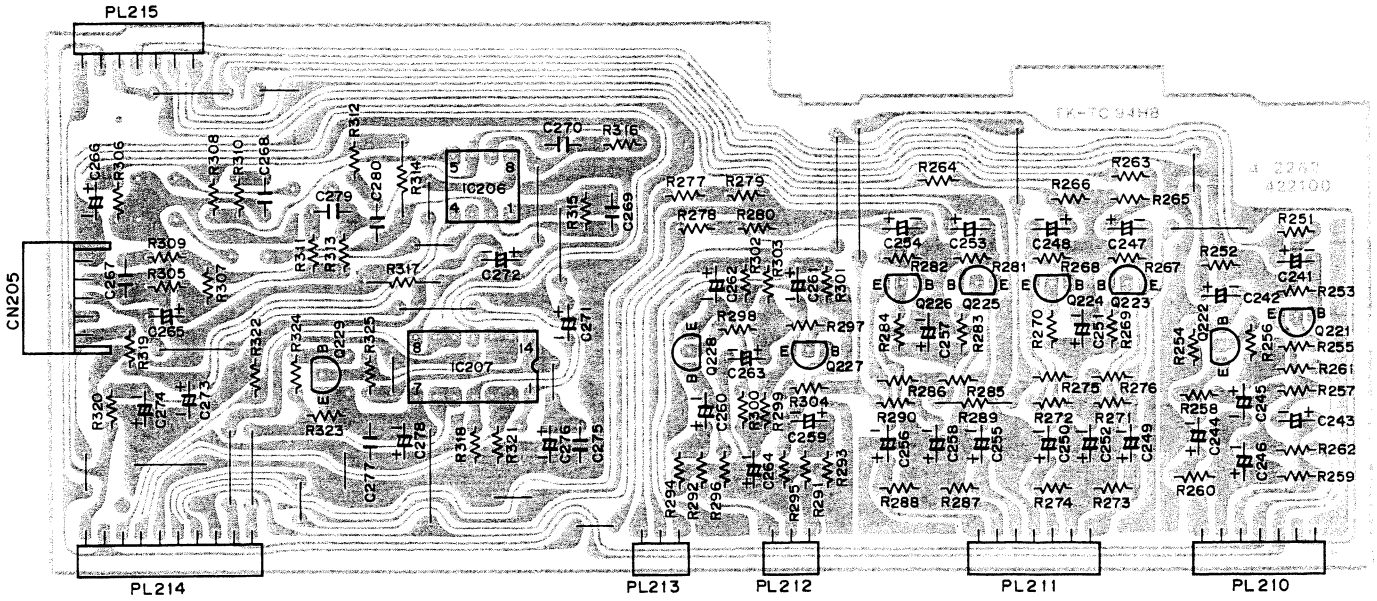
BACK UP TRANS P.C.BOARD
(BOTTOM VIEW)



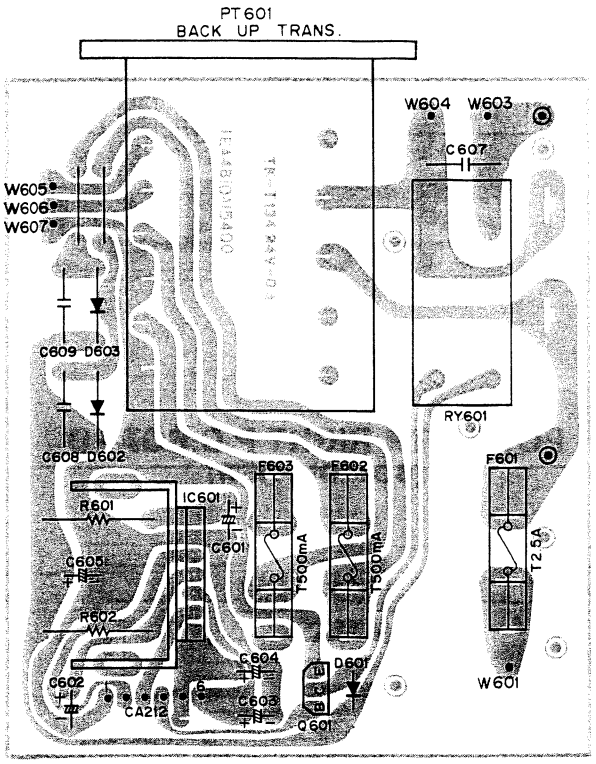
POWER SUPPLY P.C.BOARD
(BOTTOM VIEW)



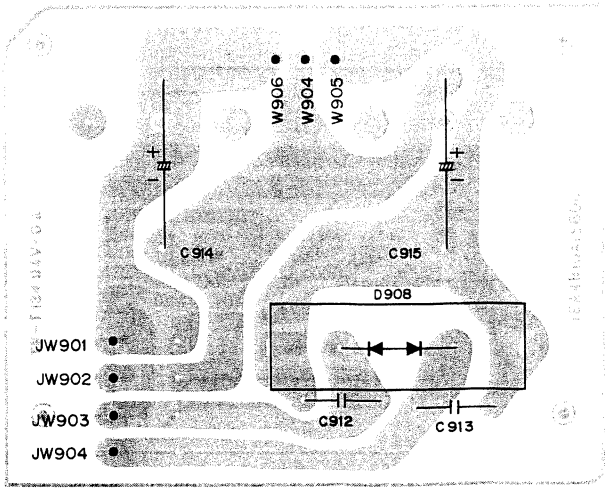
SURROUND P.C.BOARD
(BOTTOM VIEW)



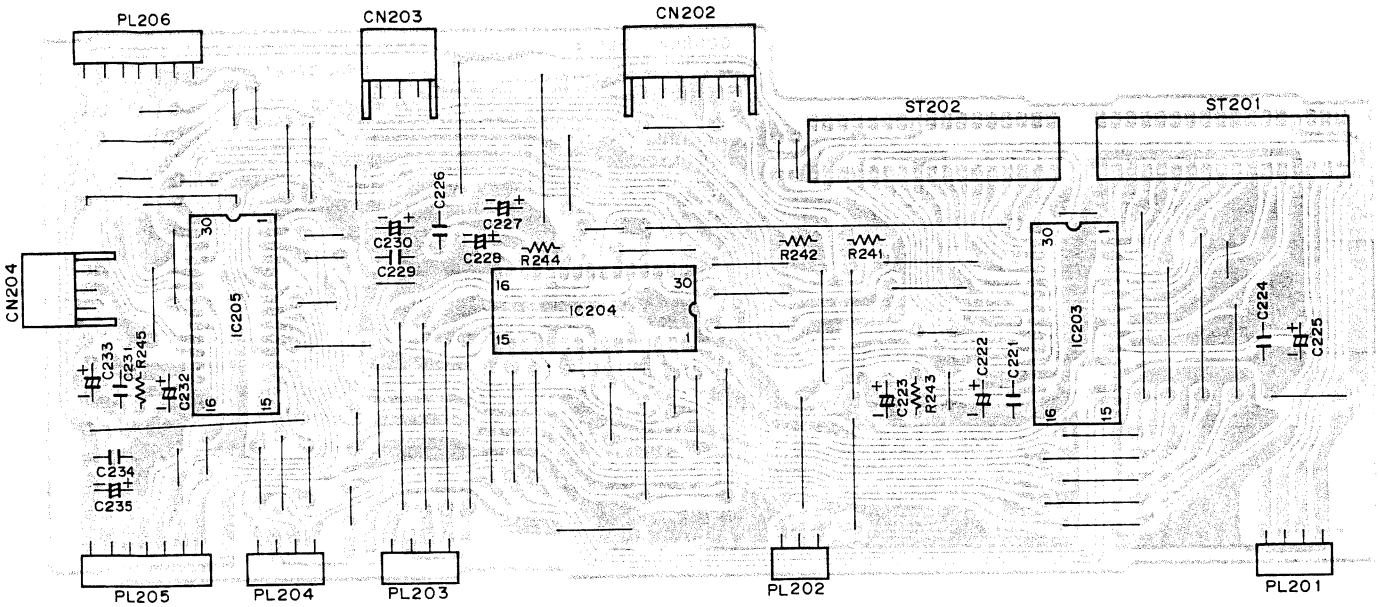
BACK UP TRANS P.C.BOARD
(BOTTOM VIEW)



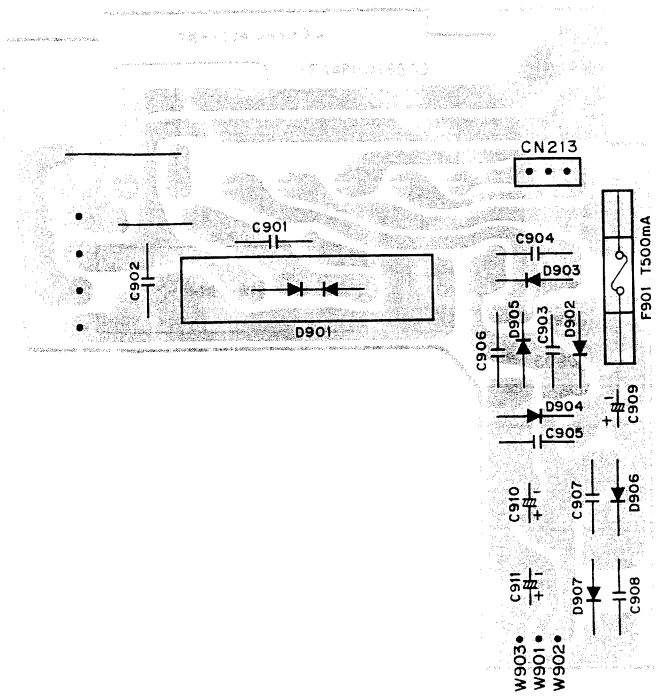
POWER SUPPLY P.C.BOARD
(BOTTOM VIEW)



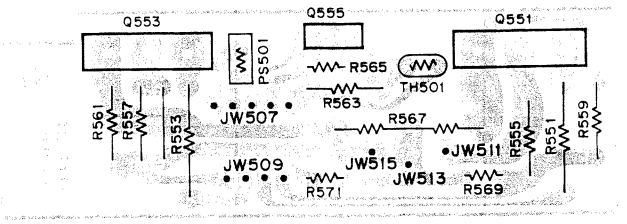
ANALLOGUE SW. P.C.BOARD
(BOTTOM VIEW)



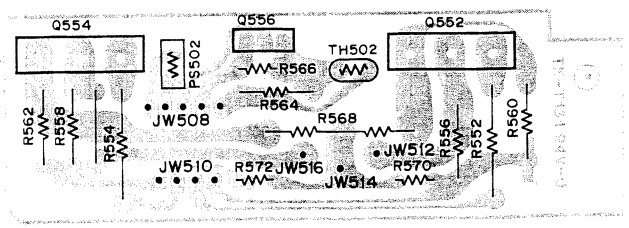
POWER TRANS P.C.BOARD
(BOTTOM VIEW)



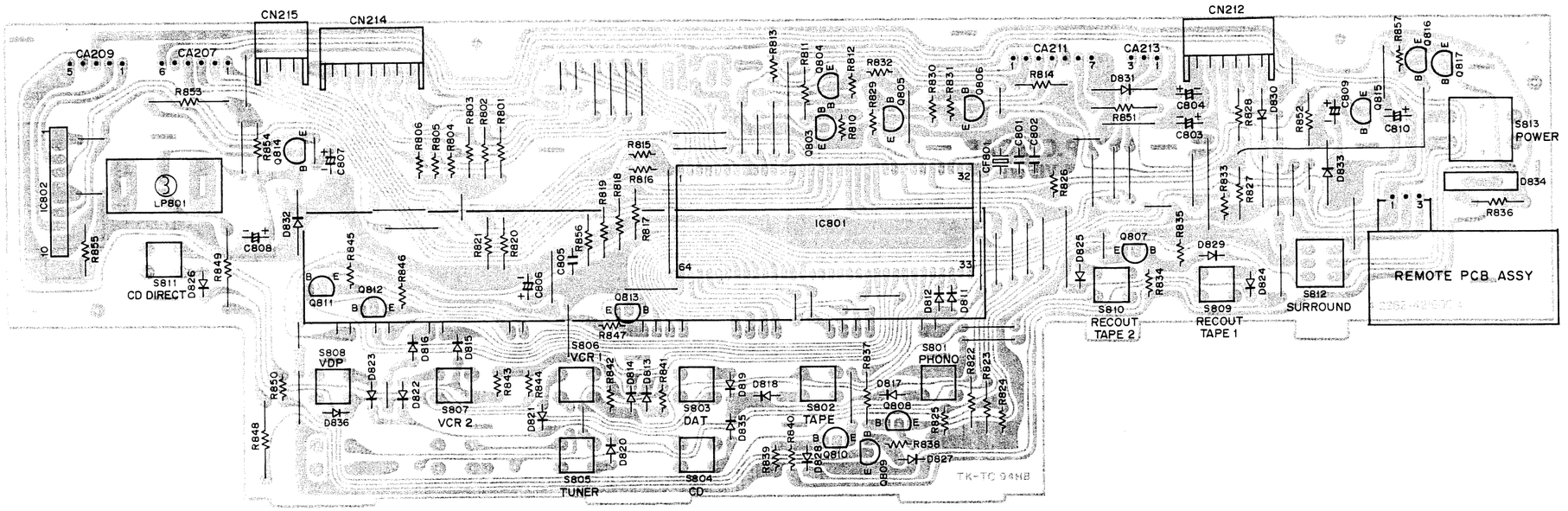
POWER TR LEFT P.C.BOARD
(BOTTOM VIEW)



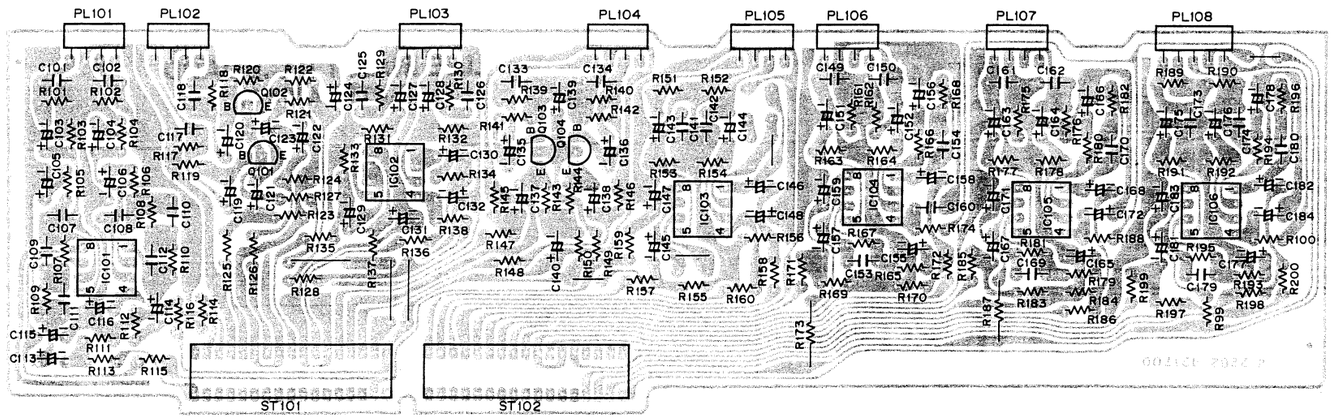
POWER TR RIGHT P.C.BOARD
(BOTTOM VIEW)



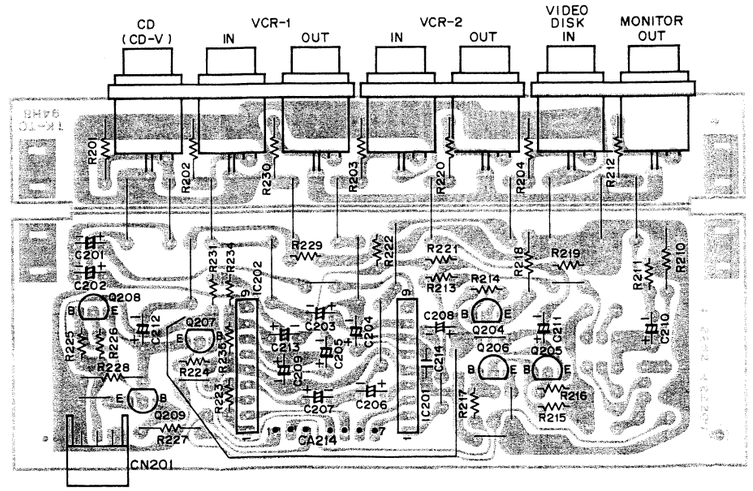
FRONT CONTROL P.C.BOARD
(BOTTOM VIEW)



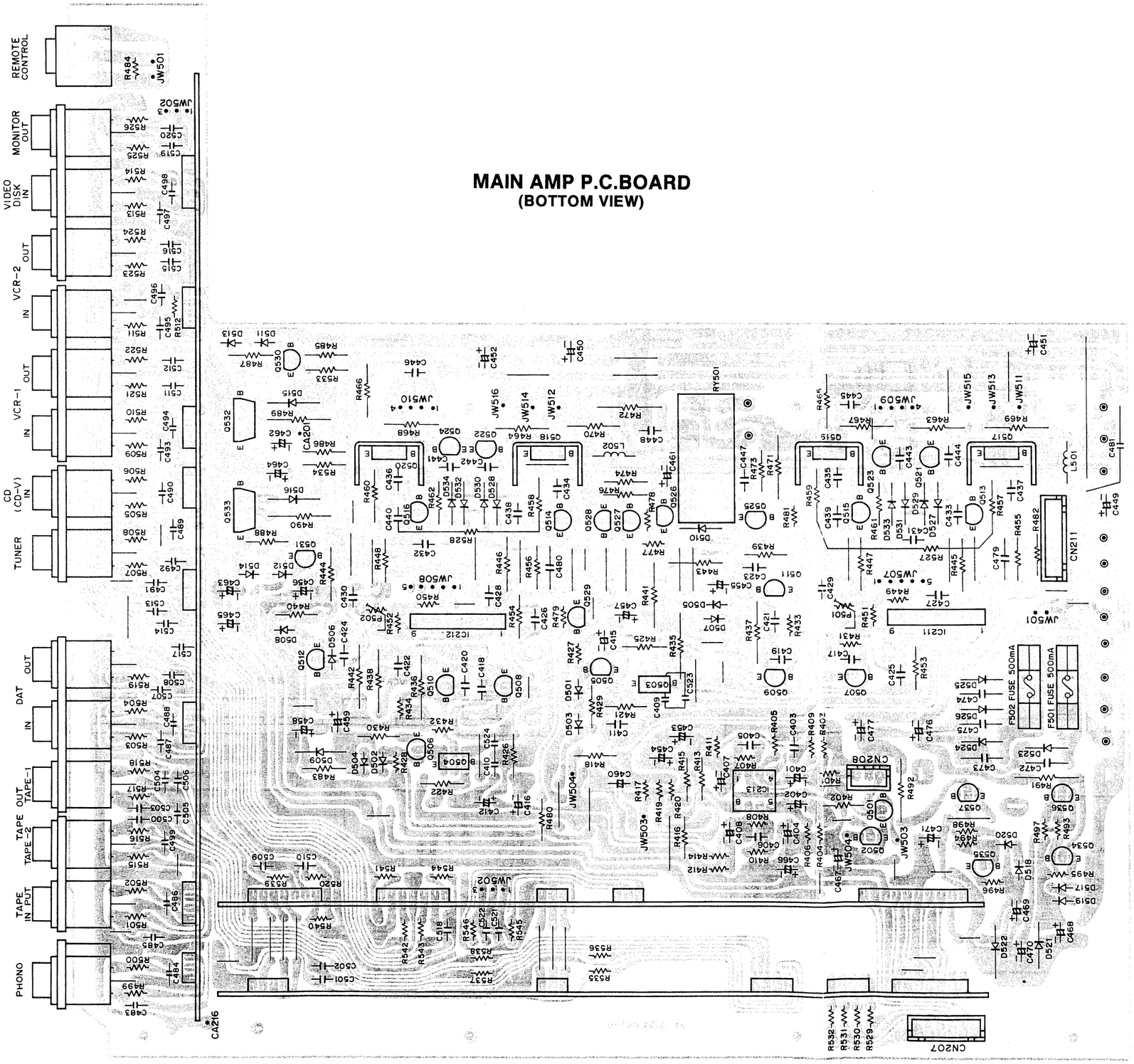
INPUT BUFFER P.C.BOARD
(BOTTOM VIEW)



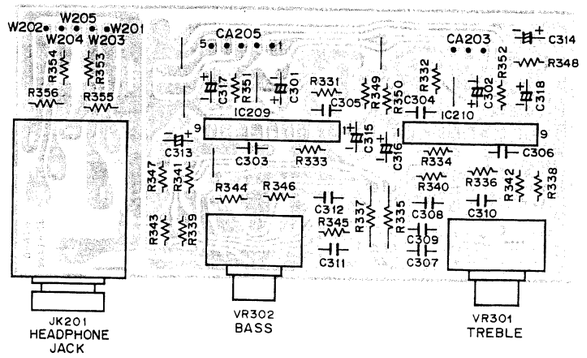
VIDEO SW. P.C.BOARD
(BOTTOM VIEW)



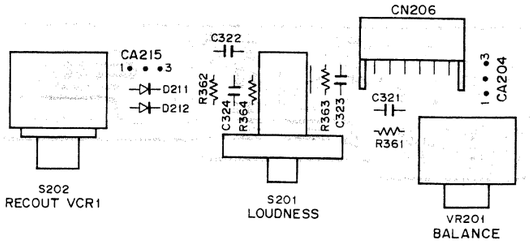
MAIN AMP P.C.BOARD
(BOTTOM VIEW)



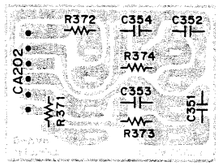
TONE P.C.BOARD
(BOTTOM VIEW)



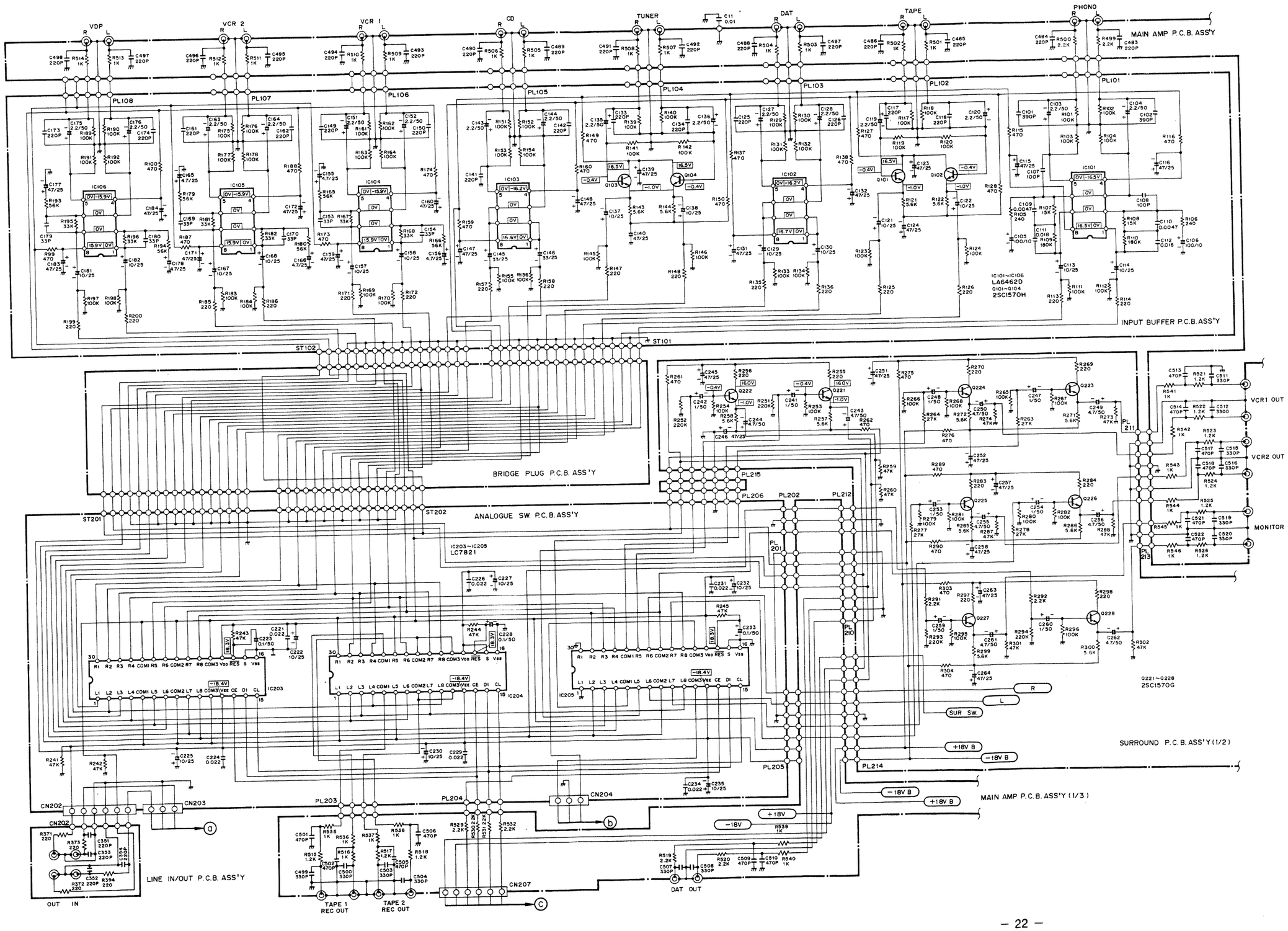
BALANCE VOLUME P.C.BOARD
(BOTTOM VIEW)



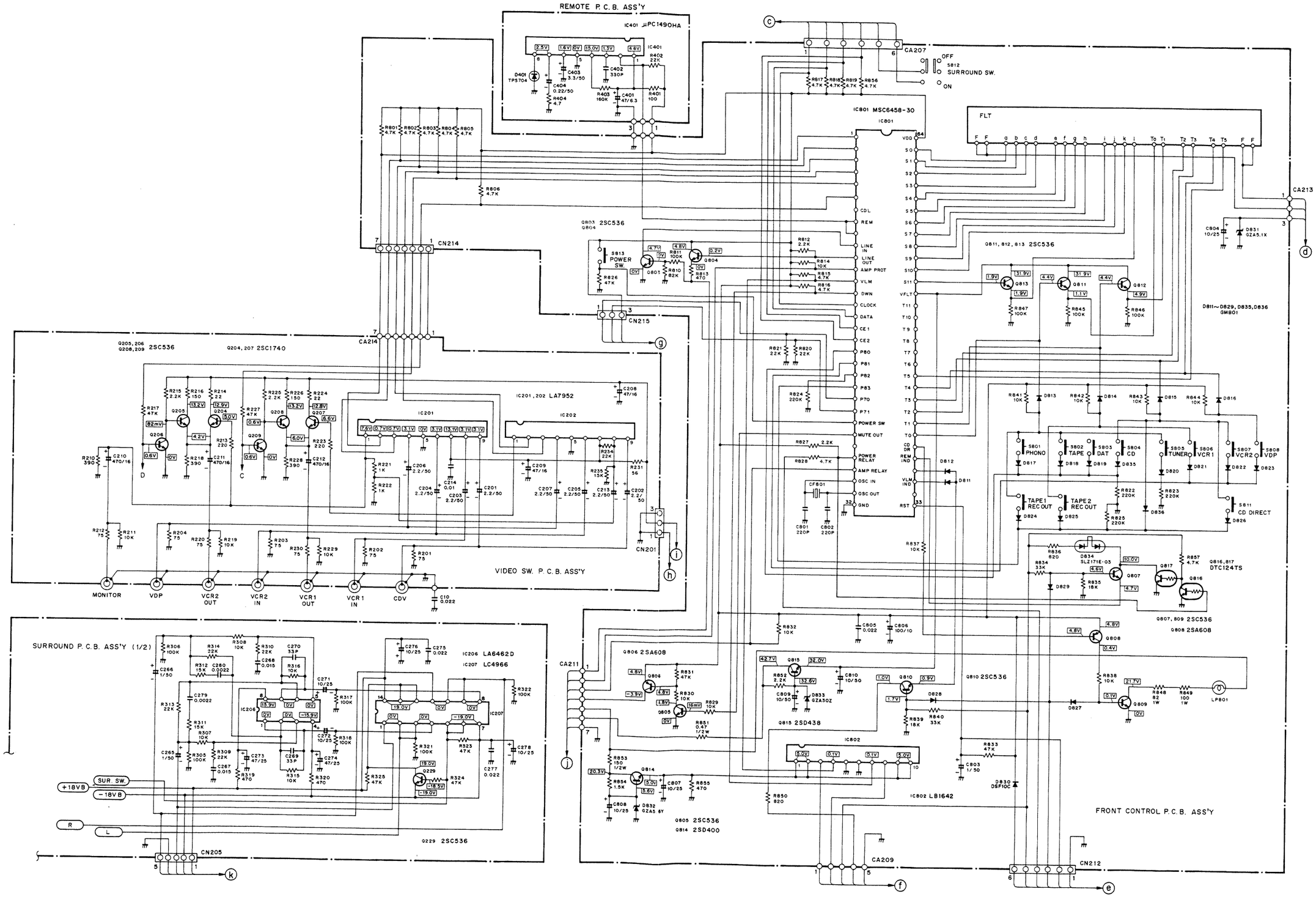
LINE IN/OUT P.C.BOARD
(BOTTOM VIEW)



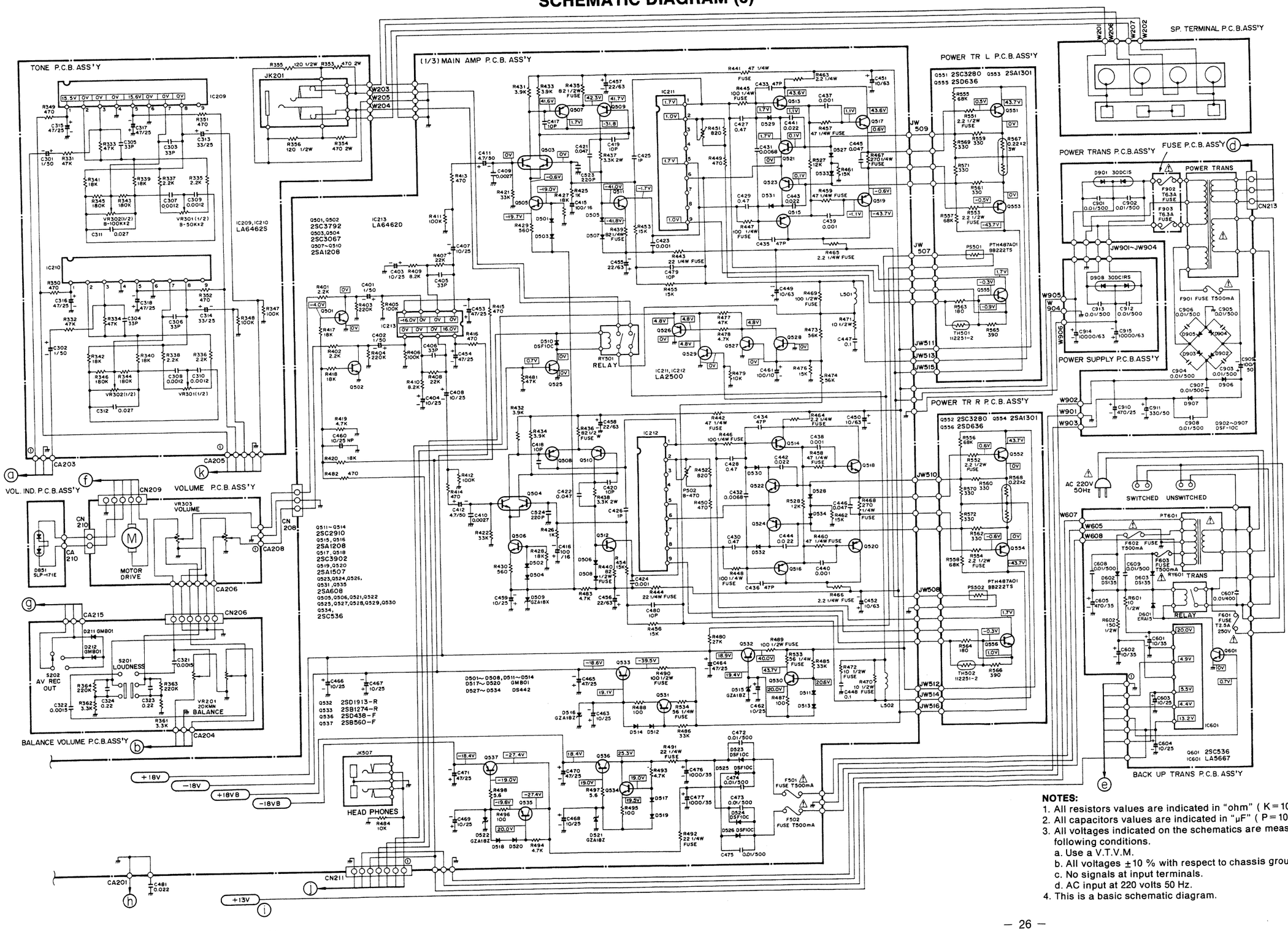
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



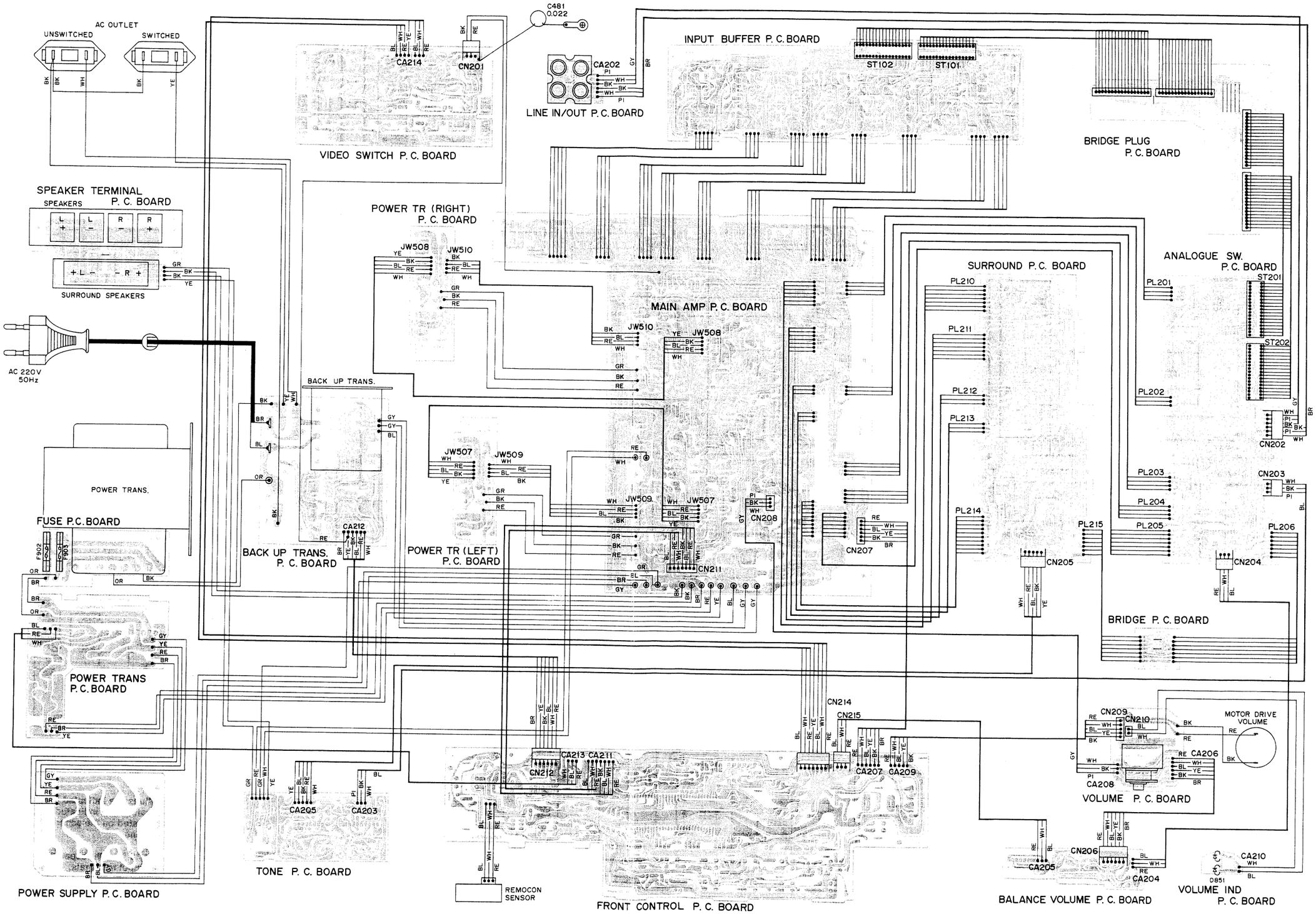
SCHEMATIC DIAGRAM (3)



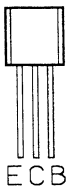
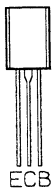
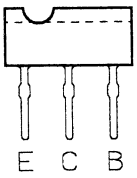
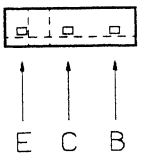
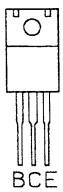
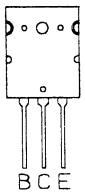
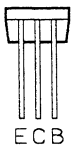
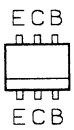
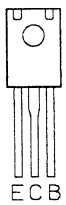
NOTES:

1. All resistors values are indicated in "ohm" (K = 10^3, M = 10^6).
2. All capacitors values are indicated in "μF" (P = 10^{-12}).
3. All voltages indicated on the schematics are measured under the following conditions.
   a. Use a V.T.V.M.
   b. All voltages ±10 % with respect to chassis ground.
   c. No signals at input terminals.
   d. AC input at 220 volts 50 Hz.
4. This is a basic schematic diagram.

WIRING DIAGRAM

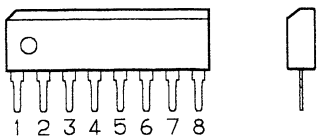


IC & TRANSISTOR LEAD IDENTIFICATION

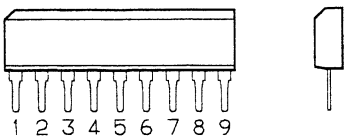
TRANSISTOR	FRONT VIEW	BOTTOM VIEW	TRANSISTOR	FRONT VIEW	BOTTOM VIEW
2SA608 2SC1570 2SC1740S 2SC3792 2SC536			2SA1208 2SB560 2SC2910 2SD400 2SD438		
2SD636			DTC124TS		
2SB1274 2SD1913			2SA1301 2SC3280		
2SC3067			2SA1507 2SC3902		

TERMINAL NAME
B → BASE C → COLLECTOR E → EMITTER

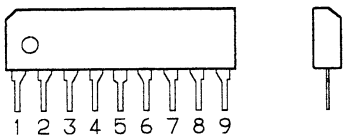
UPC1490HA FRONT/SIDE VIEWS



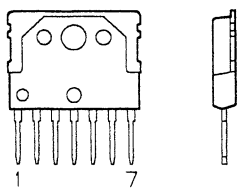
LA2500 FRONT/SIDE VIEWS



LA6462S FRONT/SIDE VIEWS
LA7952 FRONT/SIDE VIEWS

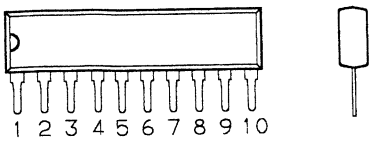


LA5667 FRONT/SIDE VIEWS

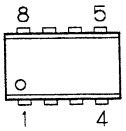


IC & TRANSISTOR LEAD IDENTIFICATION (Continued)

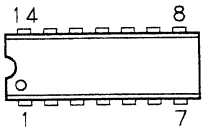
LB1642 FRONT/SIDE VIEWS



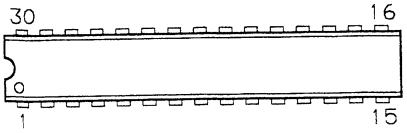
LA6462D TOP VIEW



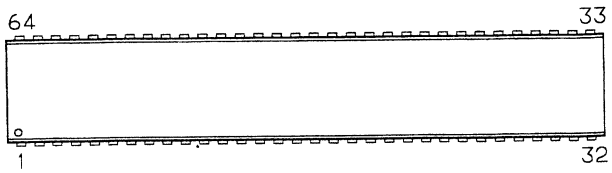
LC4966 TOP VIEW



LC7821 TOP VIEW



MSC6458-30 TOP VIEW



Bezeichnung/Description
SERVICE MANUAL

Teile-Nr./Parts No. Menge/Quantity
WM570271 1

Lagerort LS-Nr.
34B05 817262 / 41

SANYO FISHER Vertriebs GmbH

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Stahlgruberring 4 Tel: 089/420 45-0
8000 München 82 Tlx: 524033

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